



CHATSWORTH  
PRODUCTS

V.32

# PRODUCT CATALOG



[chatsworth.com](https://www.chatsworth.com)

Powering and protecting your technology investment.

# Discover More...

Chatsworth Products is more than just a manufacturer, we enable the digital technologies in your everyday life.



## CPI Website

Visit Chatsworth Products' (CPI) website at [chatsworth.com](https://chatsworth.com) to find, filter and compare thousands of products, as well as view documentation, create a shopping cart and purchase from an authorized CPI partner. You will also find product configurators, selectors, estimators and downloadable design tools.



## Online Chat

The CPI website now offers online chat for customers who need assistance while using our website. You will benefit from one-on-one, real-time interaction with CPI's helpful employees.



## CPI Product Designer

Many of our enclosures can be configured online using the CPI Product Designer. CPI Product Designer will generate bills of material, drawings, 3D models and sales documents automatically. Once the design is finished, you will receive a confirmation email with the product's description, part number, and bill of material with pricing and related documents.

Visit [chatsworth.com/product-designer](https://chatsworth.com/product-designer).



## Power Selector

Visit [selectapdu.com](https://selectapdu.com) to select the best power product for your application by narrowing down options based on your requirements. You can compare several products at one time and then email or print the results.



## CPI Video Library

Take advantage of the many videos on [video.chatsworth.com](https://video.chatsworth.com). You'll find helpful how-to videos, product feature videos and solution overviews.



## On-Demand Courses

CPI offers courses that have been approved by BICSI and the American Institute of Architects (AIA) for continuing education credits (CECs). These courses are presented by CPI's highly-trained and experienced professionals.

Visit [chatsworth.com/cec-courses](https://chatsworth.com/cec-courses).

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CHATSWORTH  
P R O D U C T S

Powering and  
protecting your  
technology investment.

From the data center to the edge, Chatsworth Products (CPI) is more than just a global manufacturer of products and solutions that protect your ever-growing investment in information and communications technology for IT and industrial automation applications. We're a 100% employee-owned, U.S. based organization that's building a better digital future—one rack, cabinet and PDU at a time.

As a trusted business partner, we are uniquely prepared to respond to your requirements with global availability and rapid product customization, giving you a competitive advantage. With more than 30 years of experience engineering thermal, power and cable management solutions for the data center, enterprise networking, wireless and industrial enclosure markets, CPI is well positioned to provide you with unequaled application expertise, customer service and technical support, and a global network of industry-leading distributors.

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At CPI, our motto is to "Delight the Customer." As an employee-owned company, we know the importance of working with customers on an individual basis to deliver quality products and services that power and protect their technology investment. Whether you are placing an order through customer service or clarifying a project through technical support, CPI's team of experienced professionals will help find a solution that works best for you and your business. This dedication to solving the needs of customers allows us to showcase our most popular products for ICT infrastructure solutions in this catalog. If there is something you cannot find, give us a call at 800-834-4969, and we will be happy to delight you, too!

## What We Do

CPI is a global manufacturer of products and solutions that power and protect your ever-growing investment in information and communications technology for IT and industrial automation applications. We are a trusted business partner and are uniquely prepared to respond to your requirements with global availability and rapid product customization, giving you a competitive advantage. With decades of experience engineering thermal, power and cable management solutions for the data center, enterprise networking, wireless and industrial enclosure markets, CPI is well positioned to provide you with unequaled application expertise, customer service and technical support, along with a global network of industry-leading distributors.

## WHY CHOOSE CPI?

### History

CPI began in 1991 when 90 employees joined together and purchased the Dracon Division of Harris Corp. using an Employee Stock Ownership Plan (ESOP). With deregulation in the telecommunications industry and technological innovation in voice and data equipment, CPI focused on the explosive needs of the information technology market to manage IT infrastructure equipment. Today, CPI is a leading global supplier of integrated solutions that optimize information and communications technology (ICT) equipment, including power management solutions and industrial enclosures.

## Who We Serve

Whether it is supporting a small network or a large data center, CPI has the experience and know-how to provide the right solution at the right time.

Some of the markets we serve include:

- Banking & Financial Services
- Education
- Electronics
- Government (Federal, State and Local)
- Health Care & Medical
- Hyperscale
- Industrial
- Information Technology
- Insurance
- Manufacturing & Automation
- Media & Entertainment
- Multitenant/Colocation Data Centers
- Pharmaceutical & Biotech
- Real Estate
- Retail
- Security
- Telecommunications
- Transportation

Headquartered in the United States, CPI operates from multiple sites worldwide, including offices in Mexico, Canada, China, Qatar, the United Arab Emirates and the United Kingdom. CPI's manufacturing facilities are in the United States, Asia and Europe.

*CPI is committed to being a company of the  
highest quality in every aspect of its business,  
providing Quality Products, Quality Services  
and most of all—Quality People.*



### Customized Solutions

A great deal of thought and precision goes into the design of today's enterprise networks; however, plans can change in an instant. Each step comes with its own set of obstacles, from a need to maintain energy costs through thermal management solutions, to the deployment of quality-built cabinets that can withstand high-density loads and earthquakes. The data center environment is continually changing, and infrastructure systems must be capable of adapting in sync. That is why CPI provides the marketplace with high-quality, scalable solutions that allow for future technology and evolving standards.

### Leading the Way in Research, Development & Training

With the financial strength to reinvest in the company and continually improve manufacturing and logistical processes, CPI has become an industry leader in product innovation and excellence. Complementing our numerous patents (Patent: [chatsworth.com/en-us/patents](http://chatsworth.com/en-us/patents)) for groundbreaking product designs, CPI has its own Research Development and Training (RD&T) Center in Georgetown, Texas. Designed with customers in mind, the RD&T Center is a comprehensive facility complete with a Product Showroom, Customer Meeting Center and state-of-the-art training facilities.

Additionally, CPI product showrooms are located around the globe to provide our customers the opportunity to inspect our products and see the functionality and quality firsthand. For more information or to schedule a visit to one of our showrooms, visit [chatsworth.com](http://chatsworth.com).

### Value-Added Online Tools

CPI considers every aspect of project planning, providing the tools and resources our customers need to get the job done. CPI provides a robust set of design tools on our website at [chatsworth.com](http://chatsworth.com) to help you plan designs and solutions for any IT infrastructure need. These tools include the CPI Product Designer, Building Information Modeling (BIM) drawings, CAD Blocks, Visio® Shapes, and much more.

### Thought Leadership

CPI supports the thought leadership, standards development and knowledge-sharing activities of the following industry associations:

- Association for Computer Operations Management (AFCOM)
- Building Industries Consulting Service International (BICSI)
- Employee-Ownership (ESOP) Association
- International Organization for Standardization (ISO)
- Community Member of the Open Compute Project™
- Telecommunications Industry Association (TIA)
- Underwriters Laboratories, Inc.
- Uptime Institute



### Expert Service and Support

CPI understands that the high-speed world of data management is constantly changing and for this reason, we offer highly trained Technical Support Specialists and Customer Service Representatives who are ready to assist quickly and accurately to keep your project on track. To further support your IT infrastructure needs, CPI Sales Managers and Field Application Engineers are available to meet with you onsite, discuss your business needs, assess your current infrastructure and recommend solutions that will gain you the best return on your investment.



**CPI GLOBAL OFFICES:**

**Global Headquarters  
Simi Valley, CA**

818-735-6100 • 818-735-6199 FAX  
chatsworth.com



**New Bern, NC Operations**

252-514-2779 • 252-514-2977 FAX



**Georgetown, TX Operations**

512-863-7800 • 512-869-1374 FAX



**Round Rock, TX  
Technology Center**

737-808-9200



**Canada**

Vaughan, Ontario, Canada  
+905-850-7770  
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**Asia Pacific**

Jing'an District, Shanghai, China  
+86-21-6880-0266  
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**Latin America**

Mexico City, Mexico  
+52-55-5203-7525, toll free: 800-201-7592  
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**Europe**

Buckinghamshire, England, United Kingdom  
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**Middle East & Africa**

Dubai, UAE +971-4-2602125  
Doha, Qatar +974-4-267422  
chatsworth.com

**State College, PA  
Oberon Division**

State College, PA  
814-867-2312  
oberonwireless.com

For answers to your questions or for custom solutions, please call Customer Service or Technical Support at:  
**1-800-834-4969** (toll free in the U.S. & Canada)  
Monday - Friday, 5 a.m. - 5 p.m., Pacific Time  
**1-818-739-3400** (outside of the U.S. & Canada), or email  
Technical Support at [techsupport@chatsworth.com](mailto:techsupport@chatsworth.com)

## HOWTO ORDER

CPI sales are conducted in partnership with a global network of distributors, contractors and resellers. Whether visiting your local distribution center, or ordering online, CPI offers a variety of methods to procure what you need and access to the people and systems to help you stay informed during the order and procurement process. To obtain a purchase price quote and product availability, please locate the CPI partner nearest you by calling 800-834-4969.

This catalog has been developed according to comprehensive product groups. Each group is presented as a convenient section within the catalog and contains part numbers, ordering information and detailed illustrations or photographs.

### To Order, Follow These Steps:

1. Locate desired product(s) within the appropriate section.
2. Use the complete part number. Pay close attention to the digits indicating product variations such as size, finish (refer to Color Finishes information) and hole pattern.
3. Check "Kit includes" information of each product for a listing of all components and hardware included with the part number.
4. Check to see if product descriptions include "Order Separately." These components are not included with the product; however, most of these items are contained in the catalog and may be ordered. Please see part number references where indicated.
5. Indicate quantity and full part numbers in your purchase orders (POs). The description is not essential but should be included when ordering. The product description will appear on your acknowledgment, invoice and packing list.
6. Locate a distributor by calling 800-834-4969 or visiting [chatsworth.com](http://chatsworth.com). If you are an authorized CPI distributor, send POs via email or fax to one of our Customer Service Department locations listed to the right.
7. Questions? Call CPI toll free at 800-834-4969 within the United States and Canada, or visit [chatsworth.com](http://chatsworth.com).

*Note: Prices and quantity breakdowns are not listed in this product guide. For product pricing, please contact our Customer Service Department at 800-834-4969.*

*All orders received are subject to acceptance by CPI and are subject to a minimum charge of \$200.00. CPI must receive written confirmation for all orders prior to shipment.*

*Products listed do not include export packaging, insurance, taxes, tariffs or duties.*

*All pricing is subject to change. CPI reserves the right to make adjustments to pricing and product offerings for reasons including, but not limited to, changing market conditions, product discontinuations, product unavailability and price changes.*



## Federal, State and Local Government Business GSA Contract No. 47QTCA23D0033

CPI is listed with the General Services Administration (GSA) under Federal Supply Schedule 70 for General Purpose Commercial Information Technology Equipment, Software and Services, is a Small Business manufacturer (SB) and is available through GSA Advantage, NETCENTS, SEWP III, NITAAC-ECSIII, GSA Connections, as well as other channels.

### Color Finishes

CPI utilizes a powder-coating finishing process to produce a durable, long-lasting finish that is aesthetically superior to other techniques. The majority of CPI Products are available in three colors (white, black and gray) and a grained metal finish referred to as "clear." CPI's powder-coating and curing techniques provide a more consistent, uniform finish. Therefore, the color is evenly applied (even on angles, die cuts or unique shapes) and does not vary among different products.

### Customer Service Departments

#### Simi Valley, CA Operations

Ph: 818-735-6100 • Fax: 818-735-6199

#### Georgetown, TX Operations

Ph: 512-863-7800 • Fax: 512-869-1374

#### New Bern, NC Operations

Ph: 252-514-2779 • Fax: 252-514-2977

#### Toronto, Canada Office

Ph: +905-850-7770

#### Shanghai, Asia Pacific Office

Ph: +86 21 6880-0266

#### Mexico City, Mexico Office

Ph: +52-55-5203-7525

#### Buckinghamshire, England Office

Ph: +44-1628-524-834

#### Dubai, UAE Office

Ph: +971-4-2602125

#### Doha, Qatar Office

Ph: +974-4-4267422

#### Oberon, a division of Chatsworth Products

Ph: 814-867-2312

**1-800-834-4969** (toll free in the U.S. & Canada)

**1-818-739-3400** (outside of the U.S. & Canada)

### TERMS & CONDITIONS

CPI maintains a policy of continuous product improvement; therefore, we reserve the right to make changes without notice.

Products listed are F.O.B. Destination, prepaid and add to locations within the 48 contiguous states and do not include export packaging, insurance, taxes, tariffs or duties. For complete freight program details and information regarding export shipments, contact our Customer Service Department at 800-834-4969 in U.S. and Canada or 818-739-3400 outside U.S. and Canada.

All orders received are subject to acceptance by CPI. All orders are subject to a minimum charge of \$200 USD net per shipment. CPI must receive written confirmation for all orders prior to shipment. Payment Terms are Net 30 days or otherwise confirmed on orders.

### WARRANTY

#### CPI-Branded Hardware Products

CPI warrants all CPI-branded hardware products to be free from defects in material and/or workmanship (CPI's Standard Limited Warranty) for a period of three (3) years following the date of purchase (the Original Warranty Period). The customer must contact CPI in writing or by oral communication confirmed in writing within the Original Warranty Period to report a product that the customer claims is defective. CPI reserves the sole and absolute right to determine whether or not the product or any part thereof is defective. In the event a product (or any part thereof) is determined by CPI to be defective (an Accepted Claim), CPI will provide a remanufactured or replacement product or part (the Replacement Product) at no cost to the customer and issue a Return Material Authorization (RMA) number.

In the case of an Accepted Claim, the customer shall be responsible for shipping back the defective product to CPI under the provided RMA number within 30 days following receipt of the Replacement Product. If the customer fails to do so, CPI has the right to invoice the customer for the price of the Replacement Product. Any exceptions to this return policy must be authorized by CPI in writing in advance. Freight charges for the return shipment of the defective product for an Accepted Claim shall be borne by the customer, unless the defect is reported by the customer to CPI in writing within the first 30 days following the customer's receipt of the original product. Any Replacement Product that has been provided under an Accepted Claim will be subject to CPI's Standard Limited Warranty for the remaining Warranty Period applicable to the original product or 90 days following the date of replacement, whichever occurs later.

CPI's Standard Limited Warranty and Extended Limited Warranty do not extend to CPI-branded hardware products that have been subjected to abuse, misuse, neglect, accident, improper use, or improper installation, operation, repair and maintenance (except to the extent provided by CPI authorized personnel), nor to products that have been altered or modified in any way by anyone other than CPI authorized personnel, in which case CPI's Standard Limited Warranty or Extended Limited Warranty shall be null and void. In no event will CPI will be liable for consequential damages, for loss, damage or expense directly or indirectly arising from the use of any of its branded products, for any inability to use materials or from any other cause.

#### Non-CPI Branded Hardware Products

All non-CPI branded products that are resold through CPI carry the original manufacturer's warranty, if any. All such warranty claims must be submitted directly to the original manufacturer in accordance with the terms of such warranty, if any. For complete warranty information, visit [chatsworth.com/warranty](http://chatsworth.com/warranty).

#### Returns and Repairs

No products or part thereof shall be returned to CPI unless the customer first obtains a Return Material Authorization (RMA) number from a CPI customer service representative. This number must appear clearly and prominently on all shipping containers. Containers without labels will not be accepted. The customer can choose to have the product sent back "as is" or scrapped by CPI.

All RMR part numbers are custom designs. All CPI part numbers starting with RM and A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, and A13) are Non-Returnable and Non-Cancelable.

All non-CPI branded products that are resold through CPI carry the original manufacturer's warranty, if any. All such warranty claims must be submitted directly to the original manufacturer in accordance with the terms of such warranty, if any.

Cooling (A/C) units carry the original manufacturer's warranty. If support is required, the customer should contact the cooling unit manufacturer's technical support. The cooling units have product identifying information and contact information printed on the label on the exterior of the cooling unit. It is recommended that the Customer register the Cooling unit with the Original Manufacturer by scanning the QR code on the unit's label. Please contact CPI Customer Service for assistance in contacting the cooling unit manufacturer, if necessary.

## Extended Limited Warranty CPI-Branded Hardware Products

Chatsworth Products (CPI) Extended limited warranties on CPI-Branded Electronic and Non-Electronic hardware products are available for two additional years beyond the expiration of the Original Warranty Period (3 years). CPI's Extended Limited Warranty can be purchased concurrently with, or separately from, the initial purchase of the product until the expiration of the Original Warranty Period for that product. To review CPI's Standard Limited Warranty, visit [chatsworth.com/warranty](http://chatsworth.com/warranty). *CPI's standard limited warranty and extended limited warranty apply to CPI-branded hardware products only. Disclaimer of warranty: except as expressly set forth herein, CPI makes no other warranties, express or implied, including, without limitation, any warranties of fitness for a particular use or purpose, merchantability, or non-infringement of any intellectual property rights.*

**CPI-Branded UPS Models** featuring Lithium-Ion batteries carry a standard 6-year warranty with no further warranty extensions. CPI-branded UPS models featuring Lead-Acid batteries carry a standard warranty of 3 years. Customers are invited to extend the standard 3-year warranty to 5 years by adding an additional 2 years of coverage. Extended warranty includes coverage of electronics and internal batteries on UPS's and advanced replacement with ground shipping both ways.

Part Number	Type
2YEXTWAR-UPSVL1	Five-Year Warranty for VL800x - VL1500x Single-Phase UPS
2YEXTWAR-UPSVL2	Five-Year Warranty for VL2000x - VL3000x Single-Phase UPS
2YEXTWAR-UPSVL3	Five-Year Warranty for VL5000x Single-Phase UPS
2YEXTWAR-BP1	Five-Year Warranty for VXBP1 or VXBP2 Extended Runtime Battery Pack
2YEXTWAR-UPSVD1	Five-Year Warranty for VD2000x -VD3000x, Single-Phase UPS
2YEXTWAR-UPSVD2	Five-Year Warranty for VD2000x - VD3000x, Single-Phase UPS
2YEXTWAR-BP2	Five-Year Warranty for VXBP4, VXBP5, VXBP6, VXBP7 Extended Runtime Battery Pack
2YEXTWAR-UPSVD3	Five-Year Warranty for VD5000x, VD6000x, VD10Kx Single-Phase UPS
2YEXTWAR-BP3	Five-Year Warranty for VXBP8 or VXBP9 Extended Runtime Battery Pack
3YEXTWAR-UPSVD3PH1	Additional Three-Year Warranty for VD5K3P and VD8K3P, 3-Phase UPS

## CPI-Branded Electronic Products (Power, Monitoring & Security; PDUs [eConnect]\*)

Part Number	Type	Manufacturer Suggested Retail Price of the Product Being Covered
L1-2YEXTWAR-ELECTRONICS-C	Electronic, Concurrent	Up to \$1700
L1-2YEXTWAR-ELECTRONICS-NC	Electronic, Non-Concurrent	Up to \$1700
L2-2YEXTWAR-ELECTRONICS-C	Electronic, Concurrent	\$1701 - \$3400
L2-2YEXTWAR-ELECTRONICS-NC	Electronic, Non-Concurrent	\$1701 - \$3400
L3-2YEXTWAR-ELECTRONICS-C	Electronic, Concurrent	\$3401 and above
L3-2YEXTWAR-ELECTRONICS-NC	Electronic, Non-Concurrent	\$3401 and above

\*UPS's Excluded

## CPI-Branded Non-Electronic Products: (Cabinets & Containment; Racks & Cable Management; Cable Pathway Products; Bonding & Grounding; Wireless Enclosures

Part Number	Type	Manufacturer Suggested Retail Price of the Product Being Covered
L1-2YEXTWAR-OTHER-C	Non-Electronic, Concurrent	Up to \$1700
L1-2YEXTWAR-OTHER-NC	Non-Electronic, Non-Concurrent	Up to \$1700
L2-2YEXTWAR-OTHERS-C	Non-Electronic, Concurrent	\$1701 - \$3400
L2-2YEXTWAR-OTHERS-NC	Non-Electronic, Non-Concurrent	\$1701 - \$3400
L3-2YEXTWAR-OTHER-C	Non-Electronic, Concurrent	\$3401 and above
L3-2YEXTWAR-OTHER-NC	Non-Electronic, Non-Concurrent	\$3401 and above

Note: If the warranty needs to cover a CP or TS part number, which combines the CPI-Branded Electronic and Non-Electronic Hardware, then select warranty L3-2YEXTWAR-OTHER-NC.



## ISO 9001 REGISTRATION

### Chatsworth Products

<u>Operations:</u>	<u>Certificate Registration No.</u>
Simi Valley, CA	10002325 QM15
	Ref. 10002325
New Bern, NC	10002325 QM15
	Ref. 10004453
Georgetown, TX	10002325 QM15
	Ref. 10004454
Round Rock, TX	10002325 QM15
	Ref. 10017461



The UL® Registered Firm symbol indicates that the facility has passed UL's evaluation to the international quality standards of the International Organization for Standardization. This means the facility has been thoroughly monitored and has participated in an audit to determine compliance with a strict and comprehensive set of quality specifications. An appropriate quality system must be demonstrated to meet these specifications for quality in the relevant areas of design, development, production, assembly, final inspection and testing.



The UL Classified symbol indicates that Underwriters Laboratories Inc. classifies the product as an equipment bonding conductor only.



The UL Listed symbol indicates the product is Listed to applicable UL Standards and requirements by Underwriters Laboratories Inc.



The cULus symbol indicates compliance with both Canadian and U.S. requirements by Underwriters Laboratories Inc.



The UL Component Recognition symbol is used on components that are part of a larger product or system.



The CE Marking is a European marking of conformity, indicating a product complies with the requirements of the applicable European laws with respect to safety, health environment and consumer protection.



### Environmentally Safe

CPI is committed to recycling as the solution to environmental and landfill concerns and continues to pursue packaging solutions that are cost effective and environmentally friendly.

## Non-CPI Registration Marks

- Aruba® is a registered trademark of Hewlett Packard Enterprise Development LC.
- AutoCAD® is a registered trademark of Autodesk, Inc.
- Cisco® is a registered trademark of Cisco Systems, Inc.
- Slip-on® is a registered trademark of Slip-on Lock Nut Company Corporation.
- Visio® is a registered trademark of Microsoft Corporation.
- Power IQ® is a registered trademark of Sunbird.

All other trademarks belong to their respective companies.

Patent: [chatsworth.com/patents](http://chatsworth.com/patents)



## CUSTOMER SERVICE & TECHNICAL SUPPORT

Based on your specific requirements, our Technical Support Specialists can help design the precise layout for your data center, and provide a detailed bill of material (BOM) complete with layout and assembly drawings. Furthermore, our Customer Service Representatives work closely with distributors to maintain product availability, ultimately helping preserve your project's scheduling requirements.

Contact Customer Service or Technical Support in the U.S & Canada at 800-834-4969, or outside the U.S. & Canada, at +818-739-3400 (Monday - Friday, 5 a.m. - 5 p.m., Pacific Time).

You can also chat with a Customer Service Representative using our website chat tool or email Technical Support at [techsupport@chatsworth.com](mailto:techsupport@chatsworth.com).

## Design Tools

CPI provides a robust set of design tools at [chatsworth.com](http://chatsworth.com) to help you plan designs and solutions for most IT infrastructure needs. These tools include:

- Building Information Modeling (BIM) Library
- Cable Fill Tables
- CAD Blocks
- CPI Product Designer
- eConnect® Secure Array® Cost Savings Estimator
- MasterFormat® Division 27 Specifications
- Power Selector
- Video Library
- Visio® Shapes

The CPI Mobile App Suite for both Apple and Google devices, is a collection of tools developed by CPI to help IT and telecommunications professionals determine cable fill, select server cabinets, identify the best power distribution unit (PDU), and create bills of material (BOM) for cable pathway, while on the go. Quickly find a CPI distributor near you at [chatsworth.com/en-us/how-to-buy/find-a-distributor](http://chatsworth.com/en-us/how-to-buy/find-a-distributor).



## CPI Product Designer

CPI Product Designer allows you to create enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. CPI Product Designer will generate bills of material, drawings, 3D models and sales documents automatically. Once the design is finished, you will receive a confirmation email with the product's description, part number, and bill of material with pricing and related documents. To access, go to [chatsworth.com/en-us/resources/configurators-and-estimators/product-designer](http://chatsworth.com/en-us/resources/configurators-and-estimators/product-designer).



## CPI Website

Visit [chatsworth.com](http://chatsworth.com) to use our design tools, estimators and configurators to determine the best solution for your business. You can locate, select and compare products on our website, add to a cart, then send to your local distributor for purchase. Use the website to find your nearest CPI Sales Manager, authorized distributor, or value-added reseller.

## CPI Newsletter and Blog

Stay up to date with the latest news from CPI. Read our Cross-Connect blog at [chatsworth.com/blog](http://chatsworth.com/blog) and take advantage of our monthly newsletter, "The Source" at [chatsworth.com](http://chatsworth.com).

## Buy American

Upon request, CPI is pleased to provide interested parties with a Certificate of Origin and Buy American Act and Buy America Act Compliance Certificate for all applicable part numbers. CPI Manufactured in America with globally sourced components.



## SECTION 1

# CABINETS & ENCLOSURES

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*Learn about CPI's Standard Limited Warranty and Extended Limited Warranties  
See page vii for details*



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# CABINETS & ENCLOSURES

CPI designs, manufactures and helps customers configure and customize the ideal cabinet platform—the foundation on which your enterprise is built and just as critical as the equipment it stores. Explore these options to determine which solutions best suit your needs. Our Aisle Containment Solutions are flexible, feature-rich products for both hot and cold aisle containment that offer superior airflow management, resulting in reduced operating costs.

CPI offers a variety of open and enclosed wall-mount products for cables and equipment. Wall-mount systems create accessible locations for equipment where space is limited or does not exist. Store and secure equipment on the wall inside or outside of the data center or equipment room and connect remote groups of users to the network.

## Where Can I Learn More?

To learn more about CPI's Cabinet & Enclosure Solutions, or to find additional part numbers not listed in this catalog, please visit our website, [chatsworth.com](http://chatsworth.com).

## Related Tools:

Use these tools, under the Resources tab on [chatsworth.com](http://chatsworth.com), to simplify your planning, selection, order and purchase of CPI Cabinet & Enclosure Solutions.

- CPI Product Designer
- CPI Power Selector
- eConnect® Secure Array® Savings Estimator
- Cable Fill
- BIM Drawings

## Featured Product:

### ZetaFrame® Cabinet Top Panel Options:

Choice of standard panel or Vertical Exhaust Duct as part of CPI's Thermal Management solution offering.



**ZETAFrame**



HCAI-OPM-0690

## ZetaFrame® Cabinet System

A highly engineered data center cabinet solution that delivers fast built-to-order configurability, industry-leading strength and scalability, regardless of the application. ZetaFrame Cabinet is a total, turnkey solution that integrates with power, cable and thermal management accessories to support next-generation compute.

### ZetaFrame Cabinet features:

**Speedy Deployment.** Customer-specified, factory-assembled solution reduces component count, packaging and on-site assembly, saving time and delivery cost.

**Fast Selection and Customization.** Order a cabinet integrated with power, cable and thermal management preinstalled under a unique, project-specific part number

**Future-Proof Strength.** Roll-formed, tubular and fully welded steel frame architecture supports 5,000 lb (2268 kg) static and 4,000 lb (1814 kg) dynamic loads.

**Integrated Bonding.** Doors and panels automatically bond to the frame through door hinges and contact points, eliminating the need for attaching separate grounding straps to cabinet components.

**Enhanced Cable Management.** Simple and versatile cable management accessories can be used independently or in combinations to accommodate a wide variety of applications.

**Integrated Airflow Management.** Seamless integration with optional airflow management accessories ensures effective conditioned/exhaust air separation and maximum equipment cooling.

### Cabinet Specifications:

- Available in 4 heights, 4 widths and 5 depths
- Roll-formed, tubular and fully welded steel four-post frame
- For indoor use only, in environmentally controlled areas
- (2) pairs of square-punched mounting rails bolt to frame. Front-to-back adjustable depth
- 19"W, EIA-310 Universal 5/8"-5/8"-1/2" (15.9 mm – 15.9 mm – 12.7 mm) vertical hole spacing
- Shock Pallet option meets requirements per the International Safe Transit Association (ISTA) 2B
- Load capacity:
  - 5000 lb (2268 kg), static load on leveling feet per UL 2416
  - 4000 lb (1814 kg), rolling load on casters per UL 2416 for depths of 1000 mm or greater
  - 4000 lb (1814 kg), shipping load on shock pallet

### Frame Includes:

- Integrated track at the top of the frame supports attachment of cable pathway and airflow containment accessories
- Equipment mounting rails, (2) pairs
- Leveling feet and load-bearing casters
- Floor attachment brackets
- Baying kit
- PDU bracket, (1) pair, for mounting (2) vertical CPI PDUs side-by-side in one corner of the cabinet
- Equipment mounting hardware, (50) M6 Klik-Nut® cage nuts and screws
- T25 Torx Bit to secure ground block and other accessories to cabinet frame

**Patent:** [chatsworth.com/patents](https://chatsworth.com/patents)

### Certifications:

- EIA-310 compliant
- UL Listed 2416, NWIN, File #E227626
- HCAI Preapproval of Manufacturer's Certification #: OPM-0690

Use the part number configurator below to select a standard ZetaFrame Cabinet.  
 Choose the Height, Width, Depth, Panels, Thermal Configuration and Color. Example part number: **ZB45-A120A-E1**

## Ships on Standard Pallet or Shock Pallet:

<b>Z</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>-</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>-</b>	<b>9</b>	<b>10</b>
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	-----------

1. Height			10. Shipping							
<b>U</b>	in	mm	<b>1</b>	Standard Pallet						
42	79.4	2017	<b>A</b>	<i>Shock Pallet is available for 42U, 45U, 48U cabinet heights and 43.3"D (1100 mm) and 47.2"D (1200 mm) cabinet depths.cabinets.</i>						
45	84.6	2149	<b>B</b>							
48	89.9	2283	<b>C</b>							
52	96.9	2461	<b>D</b>							
<i>Height includes casters.</i>										
2. Width			9. Color							
	in	mm	<b>7</b>	Black						
	23.6	600	<b>1</b>	<b>8. Thermal Management</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;"><b>0</b></td><td>None</td></tr> <tr><td style="text-align: center;"><b>A</b></td><td>Air Dam</td></tr> <tr><td style="text-align: center;"><b>B</b></td><td>Air Dam, Brush-Sealed Front Rail</td></tr> </table> <i>Brush-Sealed Front Rails are not available for 23.6"W (600 mm) cabinets.</i>	<b>0</b>	None	<b>A</b>	Air Dam	<b>B</b>	Air Dam, Brush-Sealed Front Rail
<b>0</b>	None									
<b>A</b>	Air Dam									
<b>B</b>	Air Dam, Brush-Sealed Front Rail									
	27.6	700	<b>2</b>							
	29.5	750	<b>3</b>							
	31.5	800	<b>4</b>							
3. Depth			7. Bottom Panel							
	in	mm	<b>0</b>	None						
	31.5	800	<b>1</b>	Grommet-Sealed						
	39.4	1000	<b>2</b>	Brush-Sealed						
	41.3	1050	<b>3</b>	<b>6. Side Panel</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td style="text-align: center;"><b>0</b></td><td>None</td></tr> <tr><td style="text-align: center;"><b>1</b></td><td>1 Side</td></tr> <tr><td style="text-align: center;"><b>2</b></td><td>2 Sides</td></tr> </table>	<b>0</b>	None	<b>1</b>	1 Side	<b>2</b>	2 Sides
<b>0</b>	None									
<b>1</b>	1 Side									
<b>2</b>	2 Sides									
	43.3	1100	<b>4</b>							
	47.2	1200	<b>5</b>							
<i>Frame depth does not include doors. See detailed dimensions</i>										
4. Doors			5. Top Panel							
	None		<b>0</b>	None						
	Single Perforated Front / Double Perforated Rear		<b>1</b>	Grommet-Sealed						
	No Front / Double Perforated Rear		<b>2</b>	Brush-Sealed						
			<b>A</b>							
			<b>B</b>							

*Notes: All cabinets ship with two pairs of square-punched equipment mounting rails. Rails for 27.6"W (700 mm) and wider cabinets include four grommet-sealed cable openings (per rail). See detailed dimensions. Other sizes and configurations are available. Contact Technical support at [techsupport@chatsworth.com](mailto:techsupport@chatsworth.com) for more information.*



### Configure It!

Take advantage of CPI's expertise and configure a complete solution, including eConnect® PDUs, RFID Electronic Locks and environmental sensors under a single part number. Custom solutions are also available through CPI's design engineering services. Email us at: [techsupport@chatsworth.com](mailto:techsupport@chatsworth.com)

Use the part number configurator below to select a standard ZetaFrame Cabinet.  
 Choose the Height, Width, Depth, Panels, Thermal Configuration and Color. Example part number: **ZB45-DB22B-71**

**Vertical Exhaust Duct Configuration for Front-to-Top Airflow:**

<b>Z</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>-</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>-</b>	<b>9</b>	<b>10</b>
----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	----------	-----------

**1. Height**

U	in	mm	A
42	79.4	2017	A
45	84.6	2149	B
48	89.9	2283	C
52	96.9	2461	D

*Height includes casters.*

**2. Width**

in	mm	1
23.6	600	1
27.6	700	2
29.5	750	3
31.5	800	4

**3. Depth**

in	mm	3
41.3	1050	3
43.3	1100	4
47.2	1200	5

*Frame depth does not include doors. See detailed dimensions*

**4. Doors**

Single Perforated Front / Single Solid Rear	<b>D</b>
No Front / Single Solid Rear	<b>E</b>

**10. Shipping**

<b>1</b>	Standard Pallet
----------	-----------------

**9. Color**

<b>7</b>	Black
<b>E</b>	Glacier White

**8. Thermal Management**

<b>A</b>	Air Dam
<b>B</b>	Air Dam, Brush-Sealed Front Rail

*Brush-Sealed Front Rails are not available for 23.6"W (600 mm) cabinets.*

**7. Bottom Panel**

<b>0</b>	None
<b>1</b>	Grommet-Sealed
<b>2</b>	Brush-Sealed

**6. Side Panel**

<b>0</b>	None
<b>1</b>	1 Side
<b>2</b>	2 Sides

*At least one side panel between adjacent cabinets and bottom panel are recommended for optimal thermal performance.*

**5. Top Panel**

<b>A</b>	15-20" H (381 - 508 mm) Vertical Exhaust Duct
<b>B</b>	20-34" H (508 - 863 mm) Vertical Exhaust Duct
<b>C</b>	34-60" H (863 - 1524 mm) Vertical Exhaust Duct
<b>D</b>	15-20" H (381 - 508 mm) Vertical Exhaust Duct, Air Director
<b>E</b>	20-34" H (508 - 863 mm) Vertical Exhaust Duct, Air Director
<b>F</b>	34-60" H (863 - 1524 mm) Vertical Exhaust Duct, Air Director

*A half brush seal is included at the lower rear of the duct.*

*Notes: All cabinets ship with two pairs of square-punched equipment mounting rails. Rails for 27.6"W (700 mm) and wider cabinets include four grommet-sealed cable openings (per rail). See detailed dimensions. Other sizes and configurations are available. Contact Technical support at [techsupport@chatsworth.com](mailto:techsupport@chatsworth.com) for more information.*



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Take advantage of CPI's expertise and configure a complete solution, including eConnect® PDUs, RFID Electronic Locks and environmental sensors under a single part number. Custom solutions are also available through CPI's design engineering services. Email us at: [techsupport@chatsworth.com](mailto:techsupport@chatsworth.com)

## Dimension Tables:

Heights, Widths, Depths: See tables below for detailed dimensions.

Height Dimensions - in (mm)			
Rack Mount Spaces (U)	Overall with Casters	Frame Only No Casters	Front Opening
42	79.4 (2016)	77.4 (1965)	73.7 (1873)
45	84.6 (2149)	82.6 (2099)	79.0 (2006)
48	89.9 (2282)	87.9 (2232)	84.2 (2139)
52	96.9 (2460)	94.9 (2410)	91.2 (2317)

*Casters add approximately 2" (51 mm) to frame and are factory-installed on the cabinet. Brush-sealed grommets in the top panel add approximately 3/8" (9 mm) to the height of the cabinet.*

Depth Dimensions - in (mm)			
Nominal Depth	Overall with Doors	Frame Only No Doors	Maximum Rail Depth
31.5 (800)	34.6 (879)	31.5 (800)	28.5 (723)
39.4 (1000)	42.5 (1080)	39.4 (1000)	36.4 (923)
41.3 (1050)	44.4 (1128)	41.3 (1050)	38.3 (973)
43.3 (1100)	46.4 (1179)	43.3 (1100)	40.3 (1023)
47.2 (1200)	50.3 (1278)	47.2 (1200)	44.2 (1123)

*Front Door is approximately 1.6"D (41 mm) and Rear Door is approximately 1.5"D (38 mm). Minimum rail depth is 7" (178 mm), each rail is 3.5"D (89 mm). Rail depth is reduced when vertical accessories are placed in corners.*

Width Dimensions - in (mm)			
Nominal Depth	Overall with Side Panels	Front Opening	Rack-Mount Panel Width
23.6 (600)	23.6 (600)	19.9 (506)	19 (482.6)
27.6 (700)	27.6 (700)	23.9 (607)	19 (482.6)
29.5 (750)	29.5 (750)	25.8 (655)	19 (482.6)
31.5 (800)	31.5 (800)	27.8 (707)	19 (482.6)

*Mounting Rail clearance is 17.8" (452 mm), mounting hole spacing is 18.3" (465 mm).*

## Installation Products

Part Number	Description	Shipping Weight lb (kg)
39150-001	Leveling Feet Height Adjustment Tool, 5 mm Hex Ball Driver, 12"L (300 mm)	1 (0.5)
39207-701	Ramp Kit for Shock Pallet Cabinets, Black	26 (11.8)
76543-001*	Clik-Nut Hardware Kit, Cage Nuts, Screws, M6, 25 Pack, Zinc	1 (0.5)

*Note: Baying Kits and Floor Mounting Brackets are included with each cabinet.*

*\*Additional thread size and quantities available.*

*\* Patent: [chatsworth.com/patents](http://chatsworth.com/patents)*



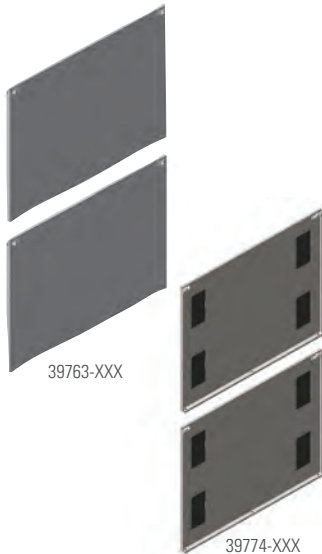
*Leveling Feet Height Adjustment Tool*



*Clik-Nut Hardware Kit*



*Ramp Kit for Shock Pallet Cabinets.*



## Side Panels

- Available solid or with grommets
- Includes: Side panel (two halves, solid or with grommets), set of keys
- Two-piece design with top and bottom halves for easier handling
- Tool-less removal, drop-in design with integrated locking spring latch secures the side panel to the cabinet frame
- Features integral bonding, no bonding strap required
- Side Panel with Grommets feature multiple grommet-sealed cable openings, allowing cables to enter the side of the cabinet while containing exhaust air within each cabinet
- Side Panel with Grommets feature (8) cable openings per side, (4) per half-height panel, (1) per corner; Cable opening size without grommet is 4.5"W x 9"D (114 mm x 228 mm), sized for large power plugs
- Grommets are plastic, snap-on and can be cut to pass cables

		Part Number				Cabinet Frame Depth in (mm)	Shipping Weight lb (kg)
Solid	Grommet	Height (U)					
		42	45	48	52		
39763	39774	-X00	-X51	-XAC	-XDL	31.5 (800)	34 (15.5)
		-X08	-X59	-XAL	-XDW	39.4 (1000)	41 (18.6)
		-X10	-X61	-XAN	-XEA	41.3 (1050)	43 (19.1)
		-X12	-X63	-XAR	-XEC	43.3 (1100)	45 (20.2)
		-X16	-X67	-XAW	-XEG	47.2 (1200)	48 (21.7)

Note: X=Color: 7=Black, E=Glacier White. Shipping weights are for 52U configurations



## Air Dam Kit

Air Dam blocks airflow around the sides and top of the equipment mounting space, so conditioned air passes through equipment and exhaust air does not recirculate around equipment. Configure with cabinet or available separately as an accessory.

- Use with Equipment Mounting Rail Grommet Brush Kit and Bottom Panel
- Includes: Top, bottom and side baffles; installation hardware
- 600 mm attaches by wrapping around flange, 700, 750 & 800 mm attaches by snapping onto half lance
- Requires a minimum rail setback of 1.4" (36 mm) from the front of the cabinet frame; maximum rail setback is 13.7" (348 mm)
- Flexible seal against top and side panels
- Select part number to match the frame style, width, usable height and color
- Material: Steel, sheet metal, plastic seals
- Finish: Black or Glacier White; seals are black

Part Number - Cabinet Width				Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	29.5"W (750 mm)	31.5"W (800 mm)		
38649-X44	38649-X55	38649-X77	38649-X66	42	11 (5.0)
38649-X47	38649-X58	38649-X80	38649-X69	45	11 (5.0)
38649-X50	38649-X61	38649-X83	38649-X72	48	11 (5.0)
38649-X54	38649-X65	38649-X87	38649-X76	52	12 (5.1)

Note: X=Color: 7=Black, E=Glacier White. Shipping weights are for 800 mm configurations

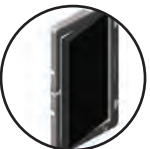


39731-XXX

### Equipment Mounting Rail Grommet Kit

Set of (8) flexible plastic grommets that cover cable openings in the equipment mounting rails to block airflow around equipment. Configure with cabinet or available separately as an accessory.

- Grommets are plastic. Trim as needed to form seal around cables
- Not compatible with 23.6" W (600 mm) cabinet
- UL 94-V0 flammability rating



39716-XXX

### Equipment Mounting Rail Brush Kit

Set of (8) brush covers that conceal cable openings in the equipment mounting rails to block airflow around equipment. Configure with cabinet or available separately as an accessory.

- Allows for quick cable installation through mounting rails while maintaining a seal
- Suited for high cable density applications
- Split bezel design does not capture cables and allows for retrofitting around existing cables
- Not compatible with 23.6" W (600 mm) cabinets, UL 94-V0 flammability rating
- Material: Plastic housing, nylon brushes

Part Number	Description	Shipping Weight lb (kg)
39731-001	Grommet Kit, for 27.6"W (700 mm) and 29.5"W (750 mm) Cabinets; Pack of 8; Black	2 (0.9)
39731-002	Grommet Kit, for 31.5"W (800 mm) Cabinet; Pack of 8; Black	2 (0.9)
39716-001	Brush Kit, for 27.6"W (700 mm) and 29.5"W (750 mm) Cabinets; Pack of 8; Black	2 (0.9)
39716-002	Brush Kit, for 31.5"W (800 mm) Cabinet; Pack of 8; Black	3 (1.4)



Seal Kit Installation

### Cabinet To Floor Seal Kits

Place at the bottom of cabinets to seal the space between the bottom of the cabinet and the floor when leveling feet or casters are in use. Ideal for aisle containment applications.

Part Number	Description	Shipping Weight lb (kg)
<b>Floor Seal Kit, Front and Rear</b>		
39996-X00	For 23.6"W (600 mm) Cabinet	4.0 (1.8)
39996-X01	For 27.6"W (700 mm) Cabinet	4.2 (1.9)
39996-X02	For 29.5"W (750 mm) Cabinet	4.3 (2.0)
39996-X03	For 31.5"W (800 mm) Cabinet	4.4 (2.0)
<b>Floor Seal Kit, Sides</b>		
39997-X00	For 31.5"D (800 mm) Cabinet	4.4 (2.0)
39997-X08	For 39.4"D (1000 mm) Cabinet	5.8 (2.6)
39997-X10	For 41.3"D (1050 mm) Cabinet	6.3 (2.9)
39997-X12	For 43.3"D (1100 mm) Cabinet	6.9 (3.1)
39997-X16	For 47.2"D (1200 mm) Cabinet	7.9 (3.6)

Note: X=Color: 7=Black, E=Glacier White.



### Cable Port Brush Kits

- Use to replace grommets in top, bottom, or side panels
- Cable opening is 3.9"W x 8.8"D (99 mm x 224 mm)
- Configure with cabinet or available separately as an accessory.

Part Number	Description	Shipping Weight lb (kg)
25190-001	Cable Port Brush Kit, Pack of 2, Black	2 (0.9)



### Snap-In Filler Panel

Snap-In Filler Panel blocks airflow in between equipment by sealing unused rack-mount spaces (U) in the cabinet. Use with Air Dam Kit and Bottom Panel to separate cold and hot air within the cabinet.

Part Number			Height (U)	Shipping Weight lb (kg)
Each (1)	Each (6)	Each (50)		
34537-X00	34537-X01	34537-X02	1U	14 (6.4)
34538-X00	34538-X01	34538-X02	2U	21 (9.5)

Note: X=Color: 0=Black, E=Glacier White.

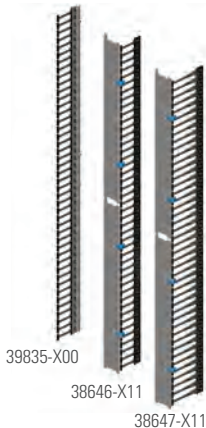


### Floor Grommets

Raised Floor Grommets provide a reliable seal around cable bundles. Split design allows for retrofitting over existing cable bundles in access floor tiles.

Part Number	Description	Shipping Weight lb (kg)
13671-001	Floor Grommet, with Hardware, Single, Black	2 (1.4)
13671-002	Floor Grommet, with Hardware, 10 Pack, Black	18 (8.2)





## Vertical Cable Manager

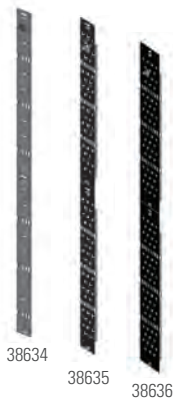
- Fully compatible with Air Dam Kit and Cable Lashing Panel
- Openings between fingers align with each U on the mounting rail
- Short or long plastic T-shaped finger options
- Rail setback:
  - 7-1/4" (184 mm) for Managers with long fingers
  - 4-3/4" (121 mm) for Managers with short fingers
- Long fingers pass up to (48) cables per U space through openings
- Short fingers pass up to (24) cables per U space through openings
- Hinged cover included with managers in cabinets wider than 600 mm
- Material: aluminum panels, fingers are black, hinges/latches are blue
- Finish: Black or Glacier White; fingers and latches are plastic
- Select part number to match cabinet usable height, width and color cabinet

Part Number - Cabinet Width				Height (U)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	29.5"W (750 mm)	31.5"W (800 mm)		
<b>Vertical Cable Manager with Long Fingers</b>					
N/A	38647-X11	38647-X22	38647-X33	42	9 (4.1)
N/A	38647-X14	38647-X25	38647-X36	45	10 (4.5)
N/A	38647-X17	38647-X28	38647-X39	48	10 (4.5)
N/A	38647-X21	38647-X32	38647-X43	52	10 (4.5)
<b>Vertical Cable Manager with Short Fingers</b>					
39835-X00	38646-X11	38646-X22	38646-X33	42	9 (4.1)
39835-X03	38646-X14	38646-X25	38646-X36	45	10 (4.5)
39835-X06	38646-X17	38646-X28	38646-X39	48	10 (4.5)
39835-X10	38646-X21	38646-X32	38646-X43	52	10 (4.5)

Note: X=Color: 7=Black, E=Glacier White. Shipping weights are for 800 mm configurations

Inside Dimensions, Usable Internal Area, Rail Setback, U Opening					
Cabinet Width	Width in (mm)	Depth in (mm)	Cable Area in <sup>2</sup> (mm <sup>2</sup> )	Rail Setback in (mm)	U Opening in <sup>2</sup> (mm <sup>2</sup> )
<b>Vertical Cable Manager with Long Fingers</b>					
27.6 (700)	2.2 (56)	7.5 (191)	17.0 (10 967)	10.1 (257)	6.6 (460)
29.5 (750)	3.2 (81)	7.5 (191)	24.5 (15 806)	10.1 (257)	6.6 (460)
31.5 (800)	4.2 (107)	7.5 (191)	31.9 (20 580)	10.1 (257)	6.6 (460)
<b>Vertical Cable Manager with Short Fingers</b>					
23.6 (600)	0.4 (10)	5 (127)	1.8 (1161)	7.6 (193)	3.5 (2260)
27.6 (700)	2.2 (56)	5 (127)	11.2 (7225)	7.6 (193)	3.5 (2260)
29.5 (750)	3.2 (81)	5 (127)	16.2 (10 451)	7.6 (193)	3.5 (2260)
31.5 (800)	4.2 (107)	5 (127)	21.2 (13 677)	7.6 (193)	3.5 (2260)

Rail setback is the minimum distance required between the front edge of the cabinet frame and the front edge of the equipment mounting rail. U opening is the size of the side opening at each U space between T-shaped fingers.



Cable Bundle Swivel, installed

## Cable Lashing Panel

- Creates simple, vertical pathways for small cable bundles
- Attaches to cabinet frame, adjusts in depth independent of the mounting rails; Can be installed adjacent to Vertical Cable Manager
- Includes: Brackets, Cable Bundle Swivels and installation hardware
- Available in 3 widths: 2-3/4" W (70 mm), 4.5" W (115 mm) and 7" W (178 mm)
- 2-3/4" W (70 mm) includes (6) Cable Bundle Swivels, 4.5" W (115 mm) and 7" W (178 mm) include (12) Cable Bundle Swivels
- Select part number per cabinet height and color
- Material: Steel; Cable Bundle Swivels are plastic
- Finish: Black or Glacier White; Cable Bundle Swivels are blue
- Cable Bundle Swivels provide quick attachment, removal and adjustment of cable bundles.
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

Part Number - Panel Width			Height (U)	Shipping Weight lb (kg)
2-3/4" (70 mm)	4.5" W (115 mm)	7.0" W (178 mm)		
38634-X00	38635-X00	38636-X00	42	13 (5.9)
38634-X03	38635-X03	38636-X03	45	14 (6.4)
38634-X06	38635-X06	38636-X06	48	15 (6.8)
38634-X10	38635-X10	38636-X10	52	16 (7.3)
32657-001	Cable Bundle Swivel, Pack of 12			1 (0.5)

Note: X=color: 7=Black, E=Glacier White. Shipping weights are for 7" W (178 mm) Lashing Panels.



## Front-to-Rear Cable Manager

Front-to-Rear Cable Manager attaches to the back of equipment mounting rails wherever there are cable openings, creating a cable pathway between front and rear rails.

- Hooks into front and rear mounting rails, and secures to cabinet frame using supplied hardware
- Adjustable to match various front-to-rear rail depths ranging from 20" (508 mm) to 32" (812 mm)
- Sold each, order to match cabinet width and color
- Material: Steel
- Finish: Black or Glacier White

Part Number - Cabinet Width				Rail Depth Range	Shipping Weight lb (kg)
23.6" W (600 mm)	27.6" W (700 mm)	29.5" W (750 mm)	31.5" W (800 mm)		
N/A	38648-X01	38648-X02	38648-X03	20-32 (508 - 812)	7 (3.2)

Note: X=color: 7=Black, E=Glacier White. Shipping weight is for 800 mm configuration



## Full Height PDU Bracket

- Available in Single or Dual options
- Order per PDU chassis width and PDU bracket capacity (1 or 2 PDUs)
- Bracket attaches to cabinet frame and is adjustable along the cabinet depth
- Use Dual bracket to mount (2) PDUs side-by-side or (1) PDU high outlet density 4" (102 mm) PDU chassis
- Tool-less mounting features at 12-1/4" increments up to 61-1/4" and 64-3/4"

Part Number - PDU Chassis Width			Cabinet Height (U)	PDU Bracket Capacity
2.2" (56 mm)	2.4-2.7" (51 - 69 mm)	4.0" (102 mm)		
38637-X00	38637-X11	38638-X00	42	Single
38637-X03	38637-X14	38638-X03	45	Single
38637-X06	38637-X17	38638-X06	48	Single
38637-X10	38637-X21	38638-X10	52	Single
38638-X00	38638-X11	N/A	42	Double
38638-X03	38638-X14	N/A	45	Double
38638-X06	38638-X17	N/A	48	Double
38638-X10	38638-X21	N/A	52	Double

Note: X=Color: 7=Black, E=Glacier White. Shipping weights are for Dual PDU Brackets



## Standard PDU Bracket

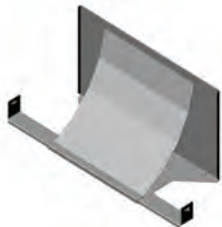
- Includes (1) pair of brackets and installation hardware for use with CPI eConnect PDUs or vertical Power Strips.
- Supports (2) 2.7"W (69 mm) or narrower PDUs side-by-side or one PDU up to 4"W (101.6 mm)
- Attaches to the frame in either back corner
- Provides tool-less attachment points spaced 61-1/4" (1556 mm) apart on all cabinets
- Provides alternate tool-less attachment points spaced 64-3/4" (1645 mm) on cabinets 45U or taller

Part Number	Description	Shipping Weight lb (kg)
38645-700	2-Piece, Black	2 (0.9)



Simplify ordering, shipping and installation by requesting eConnect PDUs and eConnect RFID Electronic Lock Kit to be installed in CPI's cabinets before they leave the factory. Request Redundancy Pack for easy identification of primary and secondary units.

**Add power. Make it easy.**



## Air Director

Air Director is an angled panel used at the back of cabinets for higher heat load applications with Vertical Exhaust Duct top panels to guide exhaust air toward the top of the cabinet.

- Attaches to the bottom slide on the cabinet, adjusts in depth
- Select part number to match width and color of the cabinet
- Material: Steel; Finish: Black or Glacier White

Part Number	Description	Shipping Weight lb (kg)
39802-X00	For 23.6"W (600 mm) Cabinets	12 (5.2)
39802-X01	For 27.6"W (700 mm) Cabinets	13 (5.9)
39802-X02	For 29.5"W (750 mm) Cabinets	14 (6.2)
39802-X03	For 31.5"W (800 mm) Cabinets	15 (6.5)

Note: X=Color: 7=Black, E=Glacier White.



## eConnect RFID Electronic Lock Kit

eConnect RFID Electronic Lock Kit is a front and rear single-factor, 12V lock solution that is activated by RFID cards and fully integrates into networked eConnect power distribution units PDUs (P/N EX-XXXX only), so that no additional appliance or external software are required. Available on Monitored, Monitored Pro, Switched and Switched Pro PDUs.

### Kit includes:

- 12 Volt locks
- Front and rear swing handles
- 3 door sensors (front and rear doors)
- 2 wiring harnesses (for front and rear connection)
- 2 mechanical override keys

Part Number	Description	Shipping Weight lb (kg)
14666-001	eConnect® RFID Electronic Lock Kit	3 (1.4)
14665-001	USB Temperature and Humidity Sensor	1 (0.5)
36651-001	Wire Harness Kit	1 (0.5)
36652-001	Door Sensor Kit	1 (0.5)
36653-001	RF IDEAS EAC Smart Card Reader	1 (0.5)
36654-001	RFID Cards, Pack of 20	1 (0.5)

## Cabinet Accessories

### Bay Seal Kit

Bay Seal Kit is only used with 23.6" W (600 mm) cabinets when the cabinets are bayed to align with 24" W (610 mm) floor tiles. The bay seal kit fills the small gaps left between cabinets.

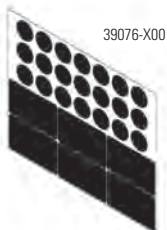
- Flexible plastic insert that blocks airflow between cabinets
- Includes: side baffles, cut to length
- Material: Plastic; Finish: Black only



### Seal Kit

Cover unused holes in the frame to prevent bypass airflow.

- Pre-cut, plastic, color-matched, adhesive backed labels for easy attachment
- Tough, heat resistant material and adhesive for long life
- Each kit includes 12 sheets; 21 round labels and six rectangular labels
- Round labels are .75" (19 mm) diameter. Rectangular labels are 1.3" x 2.2" (34 mm x 55 mm).
- Material: Thermoplastic polycarbonate film
- Select to match the color of the cabinet



### Ramp Kit for Shock Pallet Cabinets

Ramp Kit includes a pair of steel ramps used to roll a loaded cabinet off of a shock pallet.

- Durable, welded steel construction for repeated use
- 0.7" H (17.4 mm) sides control casters to prevent the cabinet from rolling off ramp
- Gradual, 4.5'L (1.4 m) incline for controlled exit
- Includes: one pair of steel, black finish ramps
- Order one Ramp Kit per site for Shock Pallet Cabinets

### Leveling Feet Height Adjustment Tool

- Used in drill/driver to adjust the height of leveling feet.
- 5 mm Hex Ball Driver Tool; 12" L (300 mm)



Part Number	Description	Shipping Weight lb (kg)
39137-700	Bay Seal Kit, For 42U	5 (2.3)
39137-703	Bay Seal Kit, For 45U	5 (2.3)
39137-706	Bay Seal Kit, For 48U	5 (2.3)
39137-710	Bay Seal Kit, For 52U	5 (2.3)
39076-X00*	Seal Kit, Pack of 12	1 (0.5)
39207-701	Ramp Kit for Shock Pallet Cabinets, Black	26 (11.8)
39150-001	Adjustment Tool, Hex Ball Driver	1 (0.5)

\*X=Color: C=Black, E=Glacier White.



HCAI-OPM-0112

Load-Tested  
GR-63, Zone 4

## Z4-Series SeismicFrame® Cabinet System

The Z4-Series SeismicFrame Cabinet System is an engineered solution specifically designed to store critical rack-mount server, data storage and network equipment in computer rooms, equipment rooms and other communications facilities that are located in active seismic areas.

Featuring an industry-leading 1500 lb (680 kg) equipment load, the Z4-Series SeismicFrame can also support an additional 100 lb (45 kg) top load for cabling. This cabinet was tested by a Telecommunications Carrier Group and ISO 17025 certified Independent Testing Laboratory (ITL) to meet the Telcordia Technologies GR-63-CORE, Issue 4, April 2012, Sections 4.4 per Zone 4 requirements. GR-63-CORE seismic testing includes a series of physical shaker table tests, during which a loaded cabinet is placed through simulated earthquake conditions. Zone 4 testing includes the most severe test conditions, in which the cabinet must perform with limited movement and survive the test without permanent structural or mechanical damage, ensuring the internal equipment is not damaged.

The cabinet is available with optional solid top panel, solid side panels and perforated doors. Top panel has four cable ports (one per corner). The side panels bolt on, and include locks. The front door is a single door with single point latch. The rear door is double (vertically split) with a three-point latch. Combine the Z4-Series SeismicFrame Cabinet with thermal and cable management accessories to create a solution that fits your exact needs.

### Cabinet Specifications:

- Available in 2 heights, 2 widths, 2 depths
- Provides front and rear support for 19"W (482.6 mm) EIA-310 rack-mount equipment and shelves
- Adjustable depth, rails slide front-to-back
- Marks on frame for easy vertical alignment
- 1-3/4"H (44.45 mm) U spacing, marked and numbered
- 19"W, EIA-310 Universal vertical hole spacing
- Seismic Load: 1500 lb (680 kg) internal seismic equipment load  
100 lb (45 kg) additional cabinet roof load
- Static Load: 3000 lb (1360 kg) per UL2416

### Cabinet Includes:

- Welded and bolted steel four-post frame
- Equipment mounting rails, two pairs
- Grounding/bonding system and ground lug
- Recessed leveling feet
- Removable transport casters
- Baying kit
- Equipment mounting hardware, (50) M6 cage nuts and screws

### Certifications:

- EIA-310 compliant
- UL Listed 2416, NWIN, File #E227626
- TCG NEBS Compliant, Telcordia Technologies, GR-63-CORE, Issue 4, April 2012, Sections 4.4, per Zone 4 requirements
- HCAI Preapproval of Manufacturer's Certification #: OPM-0112

## Z4-SERIES SEISMICFRAME® CABINET SYSTEM

Z4-Series SeismicFrame Cabinet is available in three basic configurations: a full cabinet with or without side panels, a cabinet with no doors with or without side panels or a frame only with no doors or panel work. Use the part number configurators below to select a Z4-Series SeismicFrame Cabinet. Choose Height, Width, Depth, Front Door, Locks and Sides based on your requirements.

**Example Cabinet Part Number: Z4-12U-113C-C12.**

### Z4-Series SeismicFrame Cabinets - Frame with Top Panels and Doors, Side Panels are optional.

Z4	-	H	W	D	-	R	FD	RD	L	-	C	TP	SP
<b>Height</b>				<b>Rails</b>				<b>Side Panels</b>					
<b>U</b>	<b>in</b>	<b>mm</b>		Square-Punched	<b>1</b>			<b>0</b>	None				
40	78.7	1999	<b>1</b>	Front Doors					<b>2</b>	Solid, 2 Each			
43	83.9	2132	<b>2</b>	None	<b>0</b>								
<b>Width</b>				<b>Front Doors</b>				<b>Top Panel</b>					
<b>in</b>	<b>mm</b>			Single, Perf.	<b>1</b>								
23.6	600	<b>1</b>											
31.5	800	<b>2</b>											
<b>Depth</b>				<b>Rear Doors</b>				<b>Color</b>					
<b>in</b>	<b>mm</b>		<b>N</b>	Double, Perforated	<b>3</b>								
41.3	1050	<b>U</b>											
47.3	1200	<b>U</b>											
				<b>Latches</b>									
				2-Point, Keyed	<b>C</b>								
				2-Point, Keyed Combination	<b>E</b>								



Z4-12U-113C-C12 shown

### Z4-Series SeismicFrame Cabinets – Frame with Top Panel, no Doors, Side Panels are optional.

Z4	-	H	W	D	-	R	FD	RD	L	-	C	TP	SP
<b>Height</b>				<b>Rails</b>				<b>Side Panels</b>					
<b>U</b>	<b>in</b>	<b>mm</b>		Square-Punched	<b>1</b>					<b>0</b>	None		
40	78.7	1999	<b>1</b>	Front Doors									
43	83.9	2132	<b>2</b>	None	<b>0</b>								
<b>Width</b>				<b>Front Doors</b>				<b>Top Panel</b>					
<b>in</b>	<b>mm</b>			None	<b>0</b>								
23.6	600	<b>1</b>											
31.5	800	<b>2</b>											
<b>Depth</b>				<b>Rear Door</b>				<b>Color</b>					
<b>in</b>	<b>mm</b>		<b>N</b>	None	<b>0</b>								
41.3	1050	<b>U</b>											
47.3	1200	<b>U</b>											
				<b>Latches</b>									
				None	<b>0</b>								



Z4-12U-1000-C10 shown

Z4-Series SeismicFrame Cabinets – Frame Only, No Top Panel, No Doors, or Side Panels.

Z4	-	H	W	D	-	R	FD	RD	L	-	C	TP	SP
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Height		
U	in	mm
40	78.7	1999
43	83.9	2132

Width		
in	mm	
23.6	600	1
31.5	800	2

Depth		
in	mm	
41.3	1050	N
47.3	1200	U

Rails	
Square-Punched	1

Front Doors	
None	0

Rear Door	
None	0

Latches	
None	0

Side Panels	
0	None

Top Panel	
0	None

Color	
C	Black
E	Glacier White



Z4-12U-1000-C00 shown

**Specifications/Ordering Notes:**

- There are eight possible frame sizes.
- Use the first matrix to order a complete cabinet with top, doors and sides; use the second matrix to order a cabinet with no doors; use the last matrix to order a Frame Only with no top, doors or sides.
- You must include a top panel when ordering a cabinet with doors.
- You can order a cabinet with or without side panels.
- You can order a cabinet with or without a front door.
- Choose latch/lock style: keyed or combination/keyed. Every door must have a latch. The (0) option should only be selected if there are no doors. Doors have a swing handle on the exterior. The combination lock uses a 3-digit combination entered on three-dials that are integrated into the swing handle or a key. The combination lock can be reprogrammed in the field.
- The front door has a single-point latch; the rear door has a two-point latch.
- Heights, Widths, Depths: see tables below for detailed dimensions.

Height Dimensions - in (mm)			
Rack Mount Spaces (U)	Overall with Casters	Frame Only No Casters	Front Opening
40	78.7 (1999)	77.4 (1965)	70.4 (1789)
43	83.9 (2132)	82.6 (2099)	75.7 (1922)

*Casters are factory-installed on the cabinet, used to move the cabinet into position and then removed before installation. The cabinet frame attaches directly to the floor.*

Depth Dimensions - in (mm)			
Nominal Depth	Overall with Doors	Frame Only No Doors	Maximum Rail Depth
1050	45.1 (1146)	41.3 (1050)	35.8 (911)
1200	51.1 (1296)	47.2 (1200)	41.7 (1061)

*Front Door is approximately 2.2"D (56 mm), and Rear Door is approximately 1.7"D (43 mm) with hinges/latches. Minimum rail depth is 10.2" (258 mm). The front rail is 6.7" (170 mm) deep; the rear rail is 3.5" (89 mm) deep. Rail Depth is reduced when vertical accessories are placed in corners.*

Width Dimensions - in (mm)			
Nominal Depth	Overall with Side Panels	Front Opening	Rack-Mount Panel Width
600	23.6 (600)	19.6 (498)	19 (482.6)
800	31.5 (800)	27.5 (698)	19 (482.6)

*Mounting Rail clearance is 17.8" (452 mm), mounting hole spacing is 18.3" (465 mm).*





## Air Dam Kit

Air Dam blocks airflow around the sides and top of the equipment mounting space, so cold air passes through equipment, and hot air does not recirculate around equipment.

- Use with Snap-In Filler Panels and Equipment Rail Grocket Kit
  - Attaches to and adjusts with mounting rails
  - Requires a minimum rail setback of 2.3" (58 mm) from the front of the frame
  - Flexible seal against top and side panels
  - Includes: top, bottom and side baffles; installation hardware
  - Material: Steel baffles, plastic seals
  - Select part number to match the width, usable height and color of the cabinet
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

Part Number 23.6"W (600 mm)	Part Number 31.5"W (800 mm)	Height (U)	Shipping Weight lb (kg)
14435-X00	14435-X02	40	14 (6.4)
14435-X01	14435-X03	43	15 (6.8)

X=Color, C=Black, E=Glacier White. Shipping Weights are for 800 mm kits.



## Cable Lashing Bracket

Cable Lashing Bracket creates a simple, separate vertical pathway for a small bundle of cables and has multiple slots for CPI Saf-T-Grip® Straps or tie wraps to secure cables to the bracket.

- Attaches to the frame in a fixed location, independent of the equipment rails
- Use multiple to increase capacity
- Bracket is 1.6"W (41 mm)
- Includes: brackets, installation hardware; order Saf-T-Grips or cable ties separately
- Material: Steel

Part Number	Height (U)	Shipping Weight lb (kg)
14465-X00	40	3 (1.4)
14465-X01	43	3 (1.4)

X=Color, C=Black, E=Glacier White.



## Front-To-Rear Cable Manager

Front-to-Rear Cable Manager attaches to the back of equipment mounting rails, creating a front-to-rear pathway between the front and rear mounting rails for cables.

- For use on 31.5"W (800 mm) cabinets
- Mounting locations behind cable openings on each rail
- Attaches to mounting rails and extends from 17.5" (445 mm) to 30.5" (775 mm) to match rail depth
- Creates a 3.0"H (76 mm) by 2.5"W (64 mm) front-to-rear pathway for cables
- Includes: cable manager, installation hardware
- Material: Steel panels

Part Number 23.6"W (600 mm)	Part Number 31.5"W (800 mm)	Height (U)	Shipping Weight lb (kg)
N/A	14485-X00	17.5 - 30.5 (445 - 775)	6 (2.7)

X=Color, C=Black, E=Glacier White.



## Ring Cable Manager

Ring Cable Manager is independent of the equipment mounting rails, creating a separate vertical pathway for cables and includes plastic cable rings to organize cables.

- Attaches to the frame in a fixed location, independent of the equipment mounting rails
- Rings have an opening on the front for easy addition or removal of cables
- Includes: brackets, rings, installation hardware
- Material: Steel brackets, plastic rings
- Select part number to match the width, usable height and color of the cabinet

Part Number 23.6"W (600 mm)	Part Number 31.5"W (800 mm)	Height (U)	Shipping Weight lb (kg)
14440-X00	14445-X00	40	13 (5.9)
14440-X01	14445-X01	43	13 (5.9)

X=Color; C=Black, E=Glacier White. Shipping Weights are for 800 mm managers.



Inside Dimensions, Usable Internal Cable Area, Rails Setback				
Cabinet Width	Width in (mm)	Depth in (mm)	Cable Area in <sup>2</sup> (mm <sup>2</sup> )	Rail Setback in (mm)
23.6 (600)	.9 (29)	3.3 (84)	2.9 (1870)	9.5 (240)
31.5 (800)	4.2 (107)	3.5 (89)	14.7 (9480)	9.7 (246)

## Full Height PDU Bracket, Dual and Wide

Full Height Dual PDU Bracket supports two vertical PDUs side-by-side and has multiple slots for CPI Saf-T-Grip Straps or tie wraps to secure cords to the bracket. Available in two widths: Dual and Wide

- Attaches to the frame in a fixed location, independent of the equipment mounting rails
- Dual bracket is 4.8"W (121 mm) and supports (2) PDUs up to 2.2"W (56 mm) side-by-side
- Wide bracket is 5.8"W (147 mm) and supports (2) PDUs up to 2.7"W (69 mm) side-by-side
- Wide bracket is required to mount (2) 6-breaker eConnect PDUs will only fit in the 43U cabinet.
- Tool-less mounting on 28" (711 mm), 61.25" (1556 mm) or 64.75" (1645 mm) centers
- Includes: brackets, installation hardware; order Saf-T-Grips or cable ties separately
- Material: Steel
- Select part number to match PDU size, usable height and color of the cabinet

Part Number Dual	Part Number Wide	Height (U)	Shipping Weight lb (kg)
14480-X00	14481-X00	40	12 (5.4)
14480-X01	14481-X01	43	11 (5.0)

X=Color; C=Black, E=Glacier White. Shipping weights are for Wide managers. eConnect PDUs, will not fit inside a 40U cabinet.

## Floor Grommets

Raised Floor Grommets provide a reliable seal around cable bundles. Split design allows for retrofitting over existing cable bundles in access floor tiles.



Part Number	Description	Shipping Weight lb (kg)
13671-001	Floor Grommet, with Hardware, Single, Black	2 (1.4)
13671-002	Floor Grommet, with Hardware, 10 Pack, Black	18 (8.2)



*Drawer with four-post mounting brackets*

## Lockable Storage Drawer

Drawer stores backup media, software, manuals, laptops, test equipment and extra patch cords in close proximity to the cabinet and is now stackable. Drawers are available for 19"W or 23"W cabinets, and include attachment brackets (mounting rails must be adjusted between 24" and 39" (610 mm and 990 mm) in depth).

- Attaches to any CPI freestanding 19"W or 23"W cabinet system
- Features 20"D (510 mm) lockable drawer that extends full depth for easy access to stored equipment
- Supports a 100 lb (45.4 kg) load (drawer and top surface combined)

Part Number	Description H x W in (mm)	Shipping Weight lb (kg)
13082-X19	19" x 2U Drawer, 20 (510)	18 (8.2)
13083-X19	19" x 3U Drawer, 20 (510)	20 (9.1)
13084-X19	19" x 4U Drawer, 20 (510)	22 (10.0)
13082-X23	23" x 2U Drawer, 20 (510)	21 (9.5)
13083-X23	23" x 3U Drawer, 20 (510)	23 (10.4)
13084-X23	23" x 4U Drawer, 20 (510)	25 (11.3)

*X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White.*



## Snap-In Filler Panel

Snap-In Filler Panel blocks airflow in between equipment by sealing unused rack-mount spaces (U) in the cabinet. Use with Air Dam Kit and Bottom Panel to separate cold and hot air within the cabinet.

Part Number			Height (U)	Shipping Weight lb (kg)
Each (1)	Each (6)	Each (50)		
34537-X00	34537-X01	34537-X02	1U	14 (6.4)
34538-X00	34538-X01	34538-X02	2U	21 (9.5)

X=Color; 0=Black, E=Glacier White. Shipping Weights are for 50 pack.



## Clik-Nut® Hardware Kit

Clik-Nut® Hardware Kit solves the fundamental issues with standard cage nuts. The design eliminates the need for tools, resulting in easier and faster installation, while maintaining load-bearing strength. Clik-Nut reduces labor and installation time by at least 70 percent.

Clik-Nut can be used wherever standard cage nuts are used and works anywhere along the rack panel surface when mounting, removing or repositioning IT equipment. Steel construction ensures the same load rating as standard cage nuts.

The squeeze-and-release design allows users to safely insert the Clik-Nut into mounting holes repeatedly, without the need for tools, reducing the risk of finger injuries or nuisances common during installation of traditional cage nuts.

- Multiple thread sets available: M6, 12-24, 10-32
- Engraved thread size provides easy identification
- Compatible with .375" (9.5 mm) square-punched holes in rails with thickness of 16 ga to 12 ga, .060" to .105" (1.52 mm to 2.67 mm)

Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

Part Number	Thread Size	Package Of	Shipping Weight lb (kg)
76543-X01	M6 x 1.0	25	1 (0.5)
76543-X02	M6 x 1.0	250	6 (2.7)
76543-X03	M6 x 1.0	1000	23 (10.5)
76544-X01	12-24	25	1 (0.5)
76544-X02	12-24	250	6 (2.7)
76545-X01	10-32	25	1 (0.5)
76545-X02	10-32	250	6 (2.7)
76545-X03	10-32	1000	23 (10.5)

X=Color; 0=Zinc, 7=Black Zinc

2U



## Fixed Shelf

Use fixed shelves to support equipment without rack-mounted brackets such as modems, CPUs, small power supplies and monitors. Shelves mount to the Universal EIA 5/8" - 5/8" - 1/2" (15.9 mm - 15.9 mm - 12.7 mm) alternating hole pattern of the four vertical mounting rails, and three depths are offered in 18", 24" and 29" (460 mm, 610 mm and 740 mm). Shelves have adjustable mounting depths of 13" to 24" (330 mm to 610 mm) for the 18" (460 mm) shelf, 17" to 28" (430 mm to 710 mm) for the 24" (610 mm) shelf and 24" to 38" (610 mm to 970 mm) for the 29" (740 mm) shelf.

- Made of strong, lightweight aluminum
- Installs using (8) #12-24 screws (not included)
- Supports up to 200 lb (90.7 kg)
- 19" shelves are UL Listed: File E227626; Category NWIN - Accessories



12336-XXX



14070-XXX

Part Number	Description	Shipping Weight lb (kg)
12336-X19	19"W x 18"D (460 mm), Non-Vented	7 (3.2)
12337-X19	19"W x 18"D (460 mm), Vented	7 (3.2)
12334-X19	19"W x 24"D (610 mm), Non-Vented	9 (4.1)
12335-X19	19"W x 24"D (610 mm), Vented	9 (4.1)
14070-X19	19"W x 29"D (740 mm), Non-Vented	11 (5.0)
14072-X19	19"W x 29"D (740 mm), Vented	10 (4.5)
12336-X23	23"W x 18"D (460 mm), Non-Vented	8 (3.6)
12337-X23	23"W x 18"D (460 mm), Vented	8 (3.6)
12334-X23	23"W x 24"D (610 mm), Non-Vented	10 (4.5)
12335-X23	23"W x 24"D (610 mm), Vented	10 (4.5)
14070-X23	23"W x 29"D (740 mm), Non-Vented	12 (5.4)
14072-X23	23"W x 29"D (740 mm), Vented	11 (5.0)

X=Color: 1=Gray, 7=Black

## Rack-Mount Cable Shelf

Use Rack-Mount Cable Shelf in any 19"W CPI cabinet equipped with an Air Dam Kit to provide a front-to-rear pathway for cables. Cables pass through brush-sealed ports along the front of the shelf. Rack-Mount Cable Shelf uses 1U and will fit in cabinets with mounting rails set between 22" and 40"D (560 mm and 1020 mm).



Part Number	Description	Shipping Weight lb (kg)
13517-701	1U x 19, Black	17 (7.7)

2U



### Sliding Shelf

Shelves mount to the four vertical mounting rails. Two depths are offered in 18" and 24" (460 mm and 610 mm) to provide clearance for cables, ventilation and power strips. Shelves have adjustable mounting depths of 14" to 24" (360 mm to 610 mm) for the 18" (460 mm) shelf and 18" to 30" (460 mm to 760 mm) for the 24" (610 mm) shelf.

- Extends 17" (430 mm) for 18"D (460 mm) shelf and 23" (580 mm) for 24"D (610 mm)
- Offered in 18" (460 mm) or 24" (610 mm) depth, vented or non-vented
- Made of strong, lightweight aluminum
- Shelf locks in closed or fully open position, providing stability
- Ships fully assembled; installs using (8) #12-24 screws (not included)
- Fits cabinets that are 30"D (760 mm) or less
- Supports up to 140 lb (63.5 kg)

Part Number	Description	Shipping Weight lb (kg)
12338-X19	19"W x 18"D (460 mm), Non-Vented	7 (3.2)
12339-X19	19"W x 18"D (460 mm), Vented	7 (3.2)
12345-X19	19"W x 24"D (610 mm), Non-Vented	9 (4.1)
12346-X19	19"W x 24"D (610 mm), Vented	9 (4.1)
12338-X23	23"W x 18"D (460 mm), Non-Vented	8 (3.6)
12339-X23	23"W x 18"D (460 mm), Vented	8 (3.6)
12345-X23	23"W x 24"D (610 mm), Non-Vented	10 (4.5)
12346-X23	23"W x 24"D (610 mm), Vented	10 (4.5)

X-Color: 1=Gray, 7=Black

1U



12573-XXX



12610-XXX

Shelf extends from 20" - 36" (510 mm - 910 mm) in depth. Mounting brackets included but not shown.

### Low Profile Fixed Shelf

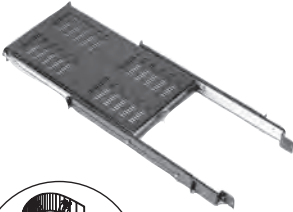
Unique telescoping design delivers between 20" and 36" (510 mm and 910 mm) of continuous support for up to 100 lbs (45.4 kg) of equipment in less than 1U of rack-mount space.

- Shelf bracket provides front and rear support, attaching with single screw to mounting rails
- Available in 19" EIA and 23" EIA widths, providing 17.5" and 21.5" (445 mm and 546 mm) surface space respectively
- Made of steel
- Supports up to 100 lb (45.4 kg)
- 19" shelves are UL Listed

Part Number	Description	Shipping Weight lb (kg)
12573-X19	19"W Solid Shelf	16 (7.3)
12573-X23	23"W Solid Shelf	18 (8.2)
12610-X19	19"W Vented Shelf	15 (6.8)
12610-X23	23"W Vented Shelf	17 (7.7)

X-Color: 1=Gray, 7=Black

2U



Flexible cable manager

### 32" Deep (810 mm) Sliding Shelf

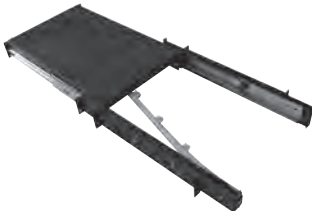
Many storage solutions may cause kinking, twisting and cutting of cables during shelf extension and retraction. CPI's flexible polycarbonate belt, which fits in the rear undercarriage, solves these problems. This belt easily attaches to either the left or right side of the vertical bracket and contains eight molded releasable clips that accommodate cable bundles measuring up to 1" (25.4 mm) in diameter.

- Supports up to 160 lb (72.6 kg) using less than 2U
- Locks in the closed position
- Open easily with accessible front lock levers, providing greater stability while accommodating deep servers
- Maximum usable shelf space of up to 32" (810 mm)
- Cable management belt provides greater flexibility in the storage of wire bundles
- Designed for 36" or 39"D (910 mm or 990 mm) cabinets

Part Number	Description	Shipping Weight lb (kg)
11913-X19	Vented, 19"W x 32"D (810 mm) Sliding Shelf	25 (11.3)
11914-X19	Non-Vented, 19"W x 32"D (810 mm) Sliding Shelf	25 (11.3)
11913-X23	Vented, 23"W x 32"D (810 mm) Sliding Shelf	25 (11.3)
11914-X23	Non-Vented, 23"W x 32"D (810 mm) Sliding Shelf	25 (11.3)

X=Color: 1=Gray, 7=Black

2U



Shelf extends a full 24" (610 mm).

### Extra Heavy Duty Sliding Shelf

Shelf supports up to 300 lb (136.1 kg) and uses only 2U, providing 26" (660 mm) usable depth.

- Flexible cable management belt eliminates kinking, bending or cutting of cable
- Adjustable mounting depth of 20" to 34" (510 mm to 860 mm)
- 19" shelf provides 17.5" (445 mm) usable width
- 23" shelf provides 21.5" (546 mm) usable width
- Locks in fully closed or open position

Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

Part Number	Description	Shipping Weight lb (kg)
12700-X19	19"W Solid Shelf	29 (13.2)
12700-X23	23"W Solid Shelf	30 (13.6)

X=Color: 1=Gray, 7=Black, E=Glacier White



HCAI-OPM-0196

## CUBE-IT® Wall-Mount Cabinet

CUBE-IT Wall-Mount Cabinets feature highly functional elements to provide class-leading support and storage of ICT equipment. CUBE-IT Cabinets allow easy access to the front and rear of the cabinet, making it ideal for telecommunications rooms. Additionally, high airflow vent pattern and optional low-decibel, dual-fan kit provides equipment cooling without interfering noise. The new modern, sleek design with range of options make the cabinet ideal for use in office spaces, conference rooms, classrooms, or any public spaces where floor space is limited.

The swing-out, three-part design secures equipment while maintaining ease of access for serviceability. CUBE-IT Wall-Mount Cabinet is accessed by a keyed lock on the front door. Once unlocked, an internal latch is accessible just inside the front door on the main chassis. Simply turn the lever to release the main chassis from the wall to gain access to the rear of equipment.

The cabinet body delivers exceptional strength and rigidity. The UL 2416 Listed 300 lb (136 kg) load-rating provides tested support for heavier equipment. For an updated look with a robust, high-quality viewing panel, the front door has an optional tempered glass window. Use CUBE-IT Wall-Mount Cabinet to meet growing demands, Power over Ethernet (PoE) deployments, faster wireless and premise networks, audio and video equipment, security and monitoring equipment and smart building initiatives.

The removable top and bottom rear panels feature a rectangular cable pass-through knockout with optional brush seals, providing a larger opening for cables that can accept patch panels, making CUBE-IT a great solution for retrofit and existing infrastructure, or for use with factory-terminated structured cabling.

### Features:

- Three-part, swing-out design allows access and service to the front and rear of equipment
- A single lock and key (CH751) on the front door provides access to the entire cabinet
- Rear panel includes 1" (25.4 mm) and 3" (76 mm) knockouts, and can accept 3/4" (19 mm) and 2.5" (63.5 mm) conduit. The 3" (76 mm) knockouts include edge-protection grommets
- Rear panel features cable tie and attachment points for accessory rack-mount brackets
- UL® 2416 Listed, 300 lb (136 kg) load rating
- Internal latch mechanism secures the rear panel; slim-profile does not impact cabling space
- Hinge design allows the installer to remove the rear panel for easier installation on the wall
- Cabinet body includes one pair of adjustable depth 19" EIA threaded equipment mounting rails
- Cable pass-through knockout with optional brush seal makes it ideal for retrofit installations
- Optional low-decibel (31 dB), dual-fan kit provides quiet operation while cooling equipment
- Factory-prepped bonding feature provides convenience and reduces installation time
- Ships fully assembled

### Certifications:

HCAI Preapproval of Manufacturer's Certification #: OPM-0196







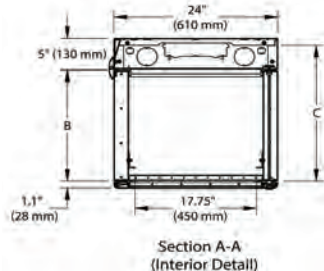
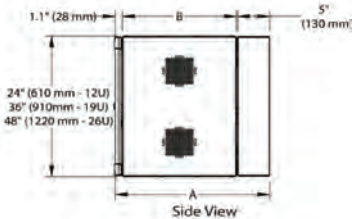
### CUBE-IT Wall-Mount Cabinet

- Attaches to the wall with included installation hardware
- Available in 12U, 19U and 26U heights, with solid metal or tempered glass door options
- All cabinet styles are 24"W (610 mm)
- Includes CH751 keyed locks

Part Number	Cabinet Depth	Door Style	Shipping Weight lb (kg)
<b>24"H (610 mm) CUBE-IT Cabinet</b>			
11890-X24	18" (460 mm)	Solid	90 (40.9)
11901-X24	18" (460 mm)	Tempered Glass	90 (40.9)
11840-X24	24" (610 mm)	Solid	101 (45.9)
11900-X24	24" (610 mm)	Tempered Glass	101 (45.9)
11996-X24	30" (760 mm)	Solid	112 (50.9)
12419-X24	30" (760 mm)	Tempered Glass	112 (50.9)
<b>36"H (910 mm) CUBE-IT Cabinet</b>			
11890-X36	18" (460 mm)	Solid	114 (51.8)
11901-X36	18" (460 mm)	Tempered Glass	114 (51.8)
11840-X36	24" (610 mm)	Solid	128 (58.2)
11900-X36	24" (610 mm)	Tempered Glass	128 (58.2)
11996-X36	30" (760 mm)	Solid	142 (64.5)
12419-X36	30" (760 mm)	Tempered Glass	142 (64.5)
<b>48"H (1220 mm) CUBE-IT Cabinet</b>			
11890-X48	18" (460 mm)	Solid	139 (63.2)
11901-X48	18" (460 mm)	Tempered Glass	139 (63.2)
11840-X48	24" (610 mm)	Solid	155 (70.5)
11900-X48	24" (610 mm)	Tempered Glass	155 (70.5)
11996-X48	30" (760 mm)	Solid	171 (77.7)
12419-X48	30" (760 mm)	Tempered Glass	171 (77.7)

Note: X=Color; 7=Black and E=Glacier White

Overall Depth (A)	Cabinet Body Depth (B)	Max. Equipment Depth (C)
18" (460 mm)	11.7" (297 mm)	15.9" (403 mm)
24" (610 mm)	17.7" (449 mm)	21.9" (556 mm)
30" (760 mm)	23.7" (602 mm)	27.9" (708 mm)



## CUBE-iT Wall-Mount Cabinet Accessories

### Cable Port Brush Kit

- Optional cover when rectangular knockout on the rear panel is removed
- Seals opening around cables with brush seal
- Sold in pairs



25190-000

### Foot Kit

- For use on desktops or floor when not installed on a wall
- Pack of 4



13483-001

### Universal Light Kit

- Only 1U; 12"L (305 mm)
- Provides 5 Watts of LED light from 120 VAC
- On/Off switch and 5' (1.5 m) cord
- Easy installation to any 19" (483 mm) or 23" (584 mm) EIA

### Equipment Mounting Rail Kit

- Use with equipment that needs front and rear support
- Sold in pairs
- Aluminum material



12787-XXX

Part Number	Description	Shipping Weight lb (kg)
25190-000	Cable Port Brush Kit 0.8"H x 10.6"W x 2.9"D (20 mm x 268 mm x 74 mm)	2 (0.9)
13483-001	Foot Kit	2 (0.9)
13393-719	Cabinet Light, for 19" Rack/Cabinet, Black	3 (1.4)
13393-723	Cabinet Light, for 23" Rack/Cabinet, Black	3 (1.4)
12787-524	Equipment Mounting Rail Kit 12U; For 24"H (610 mm) cabinet	4 (1.8)
12787-536	Equipment Mounting Rail Kit 19U; For 36"H (910 mm) cabinet	6 (2.7)
12787-548	Equipment Mounting Rail Kit 26U; For 48"H (1220 mm) cabinet	8 (3.6)

Note: CUBE-iT Wall-Mount includes one pair of Equipment Mounting Rails

## CUBE-IT® Wall-Mount Floor-Supported Cabinet



The CUBE-IT Wall-Mount Floor-Supported Cabinet is designed to secure communications equipment for a cross connect. CUBE-IT Cabinets are copper- and fiber-ready and feature easy access to the front or the rear of the cabinet.

The swing-out, three-part design secures equipment while maintaining ease of access for serviceability. CUBE-IT Wall-Mount Floor-Supported Cabinet is accessed by a keyed lock on the front door. Once unlocked, an internal latch is accessible just inside the front door on the main chassis. Simply turn the lever to release the main chassis from the wall to gain access to the rear of equipment. Additionally, the cabinet is configurable for right or left swing.

The 5" D (130 mm) rear panel provides a space for terminating cables. The rear panel is prepunched along the top and bottom with conduit knockouts, allowing communications and power cables to be securely routed into the cabinet. Grommets are included to protect cables when conduit is not used. The interior of the rear panel has tie points for cables and attachment points for accessory equipment mounting brackets.

The main cabinet body includes two pairs of adjustable depth 19" EIA square-punched equipment mounting rails that can be used to support interconnect equipment and/or active components. The cabinet includes 50 units of Klik-Nut Hardware kit for quick, safe equipment mounting. Multiple fan options provide efficient equipment cooling.

### Features:

- Three-part, swing-out design allows access and service to the front and rear of equipment. The cabinet body is supported on the floor by an attached wheeled base.
- A single lock and key on the front door provides access to the entire cabinet
- Cabinet body includes two pairs of adjustable depth 19" EIA square-punched equipment mounting rails and Klik-Nut Hardware Kit
- Rear panel includes 1" (25.4 mm) and 3" (76 mm) knockouts, and can accept 3/4" (19 mm) and 2.5" (63.5 mm) conduit. Edge-protection grommets are included for the 3" (76 mm) knockouts
- Rear panel features fixing points for cable slack management and attachment points for accessory rack-mount brackets
- Optional low-decibel (31 dB), dual-fan kit provides quiet operation while cooling equipment
- Factory-prepped bonding feature provides convenience and reduces installation time

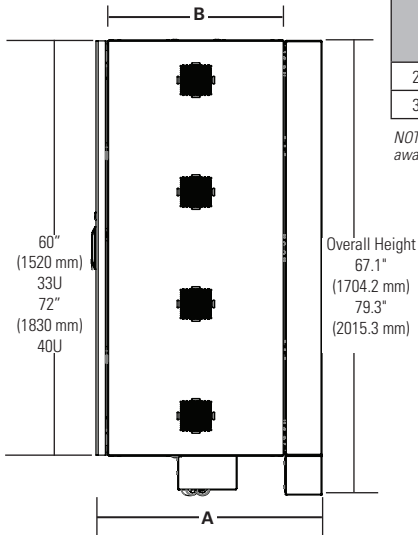


## CUBE-IT Wall-Mount Floor-Supported Cabinet

- Wall-mount, floor-supported enclosure with lockable front door and swing-out rear access to equipment
- EIA/ECA-310-E compliant
- 1000 pounds (453.6 kg) of equipment open or closed
- Load bearing caster
- All cabinet styles are 27.3"W (693 mm)

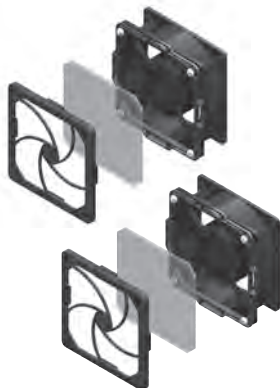
Part Number	Cabinet Depth	Door Style	Shipping Weight lb (kg)
<b>60" H (1520 mm) CUBE-IT Cabinets</b>			
13492-X60	24" (610 mm)	Solid	248 (112.7)
13493-X60	30" (760 mm)	Solid	260 (118.2)
13495-X60	24" (610 mm)	Tempered Glass	278 (126.4)
13496-X60	30" (760 mm)	Tempered Glass	290 (131.8)
<b>72" H (1830 mm) CUBE-IT Cabinets</b>			
13492-X72	24" (610 mm)	Solid	296 (134.5)
13493-X72	30" (760 mm)	Solid	309 (140.5)
13495-X72	24" (610 mm)	Tempered Glass	329 (149.5)
13496-X72	30" (760 mm)	Tempered Glass	342 (155.5)

Note: X=Color; 7=Black and E=Glacier White



Overall (A)	Cabinet Body (B)	Max. Rail-to-Rail Spacing	Max. Equipment Depth
24.9" (633 mm)	18.1" (460 mm)	16.7" (424 mm)	22.2" (564 mm)
30.9" (785 mm)	24.1" (612 mm)	22.7" (576 mm)	28.2" (716 mm)

NOTE: Maximum equipment depth denotes values that still allow the center chassis to swing away from rear panel.



### Low-Decibel Dual-Fan and Filter Kit

- Pressurizes interior of the cabinet, forcing warm air out of open vents
- Assembly Includes 2 fans and 2 filters
- Noise Level: 31 dB (measured at 3' (1 m) distance)
- Recommended placement on bottom right and left sides of the cabinet
- Airflow: 120 CFM (204 CMH)
- 6'L (1.8 m) NEMA 5-15P/6-15P Power Cord

Part Number	Description	Shipping Weight lb (kg)
40975-001	115 Volt, 50/60 Hz, 5-15P power cord	2 (0.8)
40975-002	230 Volt, 50/60 Hz, 6-15P Power cord	2 (0.8)
40973-001	Replacement Filter Kit, Pack of 5	2 (0.8)



### Standard Fan and Filter Kit

- Pressurizes interior of the cabinet, forcing warm air out of open vents
- Assembly Includes 1 fan, 1 filter, and 1 vent cover
- Noise Level: 39 dB (measured at 3' (1 m) distance)
- Airflow: 115 CFM (170 CMH)
- 6'L (1.8 m) NEMA 5-15P/6-15P Power Cord within the cabinet. It attaches to the cabinet with standard #12-24 rack screws (Included in the ThinLine II Cabinet's hardware kit).

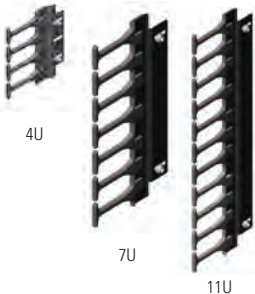
Part Number	Description	Shipping Weight lb (kg)
40972-001	115 Volt, 50/60 Hz, 5-15P power cord	2 (0.8)
40972-002	230 Volt, 50/60 Hz, 6-15P Power cord	2 (0.8)
40973-001	Replacement Filter Kit, Pack of 5	2 (0.8)



### Bonding Jumper Kit

- Provide common bonding from equipment rack or cabinet to halo conductor
- Available individually or in packages of 10
- Constructed of UL Listed components

Part Number	Description	Shipping Weight lb (kg)
40159-009	9' (2.7 m) Bonding Jumper, 1 Each	2 (0.9)
40159-019	9' (2.7 m) Bonding Jumper, 10 Each	20 (1.9)



### Vertical Cabling Section

- Attaches to the outside edge of equipment mounting rails
- Openings align with rack-mount unit spaces on equipment mounting rails
- Sold in pairs
- Order additional kits as-needed per cable management requirements

Part Number	Description	Shipping Weight lb (kg)
40970-704	4U, 7"H x 0.5"D (178 mm x 13 mm)	3 (1.4)
40970-707	7U, 12.3"H x 0.5"D (311 mm x 13 mm)	3 (1.4)
40970-711	11U, 19.3"H x 0.5"D (489 mm x 13 mm)	4 (1.8)



### Vertical Lashing Bracket

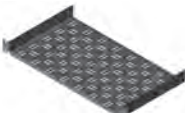
- Provides multiple lashing points for premise cables
- Attaches to center chassis with included hardware
- Adjustable front-to-rear

Part Number	Description	Shipping Weight lb (kg)
40971-X24	24"H x 4"W (610 mm x 100 mm)	4 (1.8)
40971-X36	36"H x 4"W (910 mm x 100 mm)	6 (2.7)
40971-X48	48"H x 4"W (1220 mm x 100 mm)	8 (3.6)
For Wall-Mount Floor Supported Cabinets		
40971-X60	60"H x 4"W (1520 mm x 100 mm)	4 (1.8)
40971-X72	72"H x 4"W (1820 mm x 100 mm)	6 (2.7)

Note: X=Color; 7=Black and E=Glacier White

CUBE-IT Wall-Mount  
24", 36" & 48"

CUBE-IT Wall-Mount  
Floor Supported  
60" & 72"



40974-X19

## CUBE-IT Cabinet Accessories

### Rack Mount Shelf

- For use with small equipment such as modems, routers and fiber modules in 19" EIA racks
- 1U; Includes multiples tie-down points
- Supports up to 20 lb (9.1 kg) of equipment



11837-X02

### Horizontal Wire Management Bar

- Attaches to the rear of the equipment mounting rails in CUBE-IT Cabinet
- Includes mounting hardware and 12 cable ties



12803-701

### LED Light Kit

- Attaches to the bottom, top or side of CUBE-IT Cabinets
- Toggle switch, 5W LED light
- Detachable, 120 VAC with NEMA 1-15P Power Cord



13285-501

### 90° Mounting Bracket

- Attaches to rear panel on CUBE-IT Cabinets
- Creates a 19" EIA x 2U vertical rack-mount space
- 2 brackets per kit, 3.9"H x 1"W x 4"D (99 mm x 25.4 mm x 101.6)



12820-XXX

### Power Strip

- Select straight or locking plug style
- 115 VAC; 15 Amp or 20 Amp
- 10'L (3 m) power cord and circuit breaker
- Includes (8) 5-20R outlets

*Note: Surge-Protected options available.*

Part Number	Description	Shipping Weight lb (kg)
40974-X19	Rack-Mount Shelf, 1U x 19"W x 10"D (483 mm x 250 mm)	4 (1.8)
11837-701	Wire Management Bar, for CUBE-IT Wall-Mount Cabinet, 1.5"H x 19.3"W x 3.7"D (38 mm x 490 mm x 94 mm)	4 (1.8)
11837-702	Wire Management Bar, for CUBE-IT Wall-Mount Floor-Supported Cabinet, 1.5"H x 19.3"W x 3.7"D (38 mm x 490 mm x 94 mm)	4 (1.8)
12803-701	LED Light Kit, 5W, 120 Vac	2 (0.9)
13285-501	90° Mounting Bracket, (1) Pair, Clear	3 (1.4)
12820-701	15A Power Strip, NEMA 5-15P	4 (1.8)
12820-702	15A Power Strip, NEMA L5-15P	4 (1.8)
12820-705	20A Power Strip, NEMA 5-20P	4 (1.8)
12820-706	20A Power Strip, NEMA L5-20P	4 (1.8)
12820-703	15A Power Strip, NEMA 5-15P, Surged Protected	4 (1.8)
12820-704	15A Power Strip, NEMA L5-15P, Surged Protected	4 (1.8)
12820-707	20A Power Strip, NEMA 5-20P, Surged Protected	4 (1.8)
12820-708	20A Power Strip, NEMA L5-20P, Surged Protected	4 (1.8)

X=Color: 7=Black, E=Glacier White

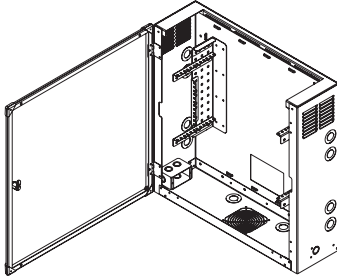


## ThinLine® II Wall-Mount Cabinet

The ThinLine II maximizes interior space using a distinctive equipment mounting rail system. Individual rails can be easily rotated for horizontal or vertical mounting and then bolted into place making patch panel punchdown easier. The cabinet can hold a server, switch, horizontal cable manager, patch panel, fiber service loop and fiber-optic patch panel — with room to accommodate additional mounting needs.

An easy-to-remove top panel slides in and out of position (without tools) using a spring button release. In addition, the 26" H (660 mm) cabinet can be mounted so that the removable "top" panel becomes a side panel.

A 4" x 6" (100 mm x 150 mm) opening in the rear of the cabinet and knockouts sized 3/4" and 1-1/2" allow cable entry and exit. Also features multiple cable tie-down points in rear panel.



*ThinLine II can hold a server, switch, horizontal cable manager, patch panel, fiber service loop and fiber-optic patch panel—with room to accommodate additional mounting needs.*

- Door features rounded edges and corners and can be mounted to open from either right or left
- Removable top panel provides direct access to equipment without disturbing other devices
- Multiple sets of knockouts allow flexibility in cable organization
- Louvers and fan accessory provide ventilation
- Cabinet includes a 2" x 4" (50 mm x 100 mm) junction box to hold an optional surge-suppressed duplex outlet, eliminating the need for a power strip
- Made of steel
- Ships fully assembled with mounting hardware
- Static load rating is 100 lb (45.4 kg)

Part Number	Description	Shipping Weight lb (kg)
<b>26" H (660 mm) ThinLine II</b>		
13050-X11	26 x 26 x 5, 2U, (660 x 660 x 130)	47 (21.3)
13050-X12	26 x 26 x 8.5, 4U, (660 x 660 x 216)	54 (24.5)
13050-X13	26 x 26 x 12, 6U, (660 x 660 x 300)	60 (27.2)
<b>36" H (910 mm) ThinLine II</b>		
13050-X21	36 x 26 x 5, 2U, (910 x 660 x 130)	60 (27.2)
13050-X22	36 x 26 x 8.5, 4U, (910 x 660 x 216)	68 (30.8)
13050-X23	36 x 26 x 12, 6U, (910 x 660 x 300)	76 (34.5)

*X=Color: 1=Gray, 7=Black*

## Fiber Slack Manager Panel

The Fiber Slack Manager Panel provides both fiber slack management and a mounting surface for a small fiber manager or fiber-optic patch panel. Secured under the outermost mounting units, the panel takes up no mounting space within the cabinet. It attaches to the cabinet with standard #12-24 rack screws (Included in the ThinLine II Cabinet's hardware kit).



Part Number	Description	Color	Shipping Weight lb (kg)
12955-719	19" Rack-Mount	Black	2 (0.9)





### Surge-Suppressed Duplex Receptacle

The cabinet can be easily configured with two surge-suppressed outlets, eliminating the need for a power strip. ThinLine II includes an electrical junction box that can be mounted on either side of the cabinet. A 1/2" or 3/4" knockout is provided.

Part Number	Description	Shipping Weight lb (kg)
12934-001	Receptacle, 125V, 15A	2 (0.9)



13501-001

### Intelligent Fan Kit

The ThinLine II Intelligent Fan Kit uses a solid state temperature control to vary fan speed from an ultra quiet low speed at low air temperature through increasingly higher speeds as temperature rises.

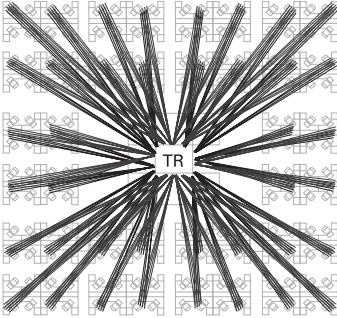
Part Number	Description	Shipping Weight lb (kg)
13051-001	115 VAC, 60 Hz, 4U/6U Cabinets	2 (0.9)
13051-002	115 VAC, 60 Hz, 2U Cabinet	2 (0.9)

#### 13051-001 Intelligent Fan Specifications:

<b>Minimum Fan Speed</b> <i>(air temp 77° or less)</i> 65 CFM (Free Air) 34 dB (Noise Level)	<b>Maximum Fan Speed</b> <i>(air temp 104° or greater)</i> 120 CFM (Free Air) 51 dB (Noise Level)
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#### 13051-002 Intelligent Fan Specifications:

<b>Minimum Fan Speed</b> <i>(air temp 77° or less)</i> 36 CFM (Free Air) 28 dB (Noise Level)	<b>Maximum Fan Speed</b> <i>(air temp 113° or greater)</i> 49 CFM (Free Air) 33 dB (Noise Level)
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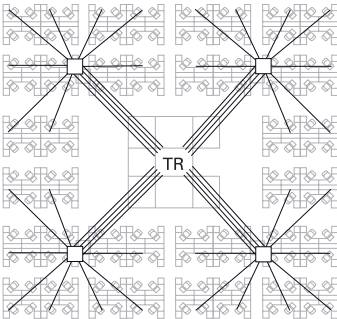
**Traditional, Home Run Wiring**

## Telecommunication Enclosures

In traditional cabling models, cables extend from a centralized telecommunication room to each work area. Cable changes impact the entire length of cable between the central room and the work area and can be disruptive to workers within the workspace.

In zone cabling, floor space is divided into zones (typically the area between structural building columns), and an enclosure is placed near the center of the zone to house a consolidation point. Thus, only the cable between the consolidation point and work area is impacted when a network connection is changed, reducing the amount of material, labor and workspace disruption involved in the change.

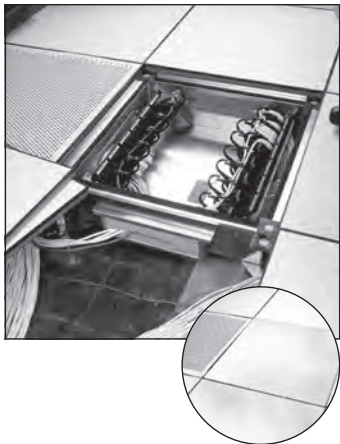
Alternately, an active component (such as a switch) can be placed within the enclosure, essentially creating a "mini-telecommunication room" within the workspace. When fiber is routed into the enclosure, an easily scalable network is created via the active component. The customer's network is thus positioned to allow fiber to the desktop when desired.



**Zone Cabling**

Zone cabling is an ideal solution to support networked areas with high "churn" (such as rented commercial office space, data centers, laboratories, schools, hospitals, retail operations, warehouses and industrial environments) or for use in any building that does not have planned space for a telecommunication room.

CPI offers Telecommunication Enclosures for use in drop ceilings and access floors. Product applications and model information are given on the following pages.



## Raised Floor Enclosures

Raised Floor Enclosures fit under a single 2' x 2' access floor tile. Most models use the access floor tile as a "lid." Enclosures are UL Listed, suitable for low voltage and active applications and for use in air handling spaces.

A variety of sizes are available to match floor height. Most models include brackets for attachment to access floor support pedestals. Enclosures include threaded equipment mounting rails and have multiple, edge-protected cable access ports with foam sealing kits. All enclosures are finished clear.

In enclosures designed for use in low height floors, two facing pairs of pivoting equipment mounting rails are used to provide easy access to the front and rear of the patch panel. In deeper enclosures, rails that are parallel to the floor provide higher consolidation point capacity. There is also a model with a lift out tray that can support active components. Order #12-24 equipment mounting screws (P/N 40605-001) separately.



A0822-RF



A1422-RF

## Raised Floor Enclosures For Patch Panels

These enclosures use the access floor tile as a "lid." (All models, except A0222-RF, include access floor installation brackets.)

- A0222-RF features four cable access ports 6" x 3/4" (152 mm x 19 mm); 19" EIA threaded equipment mounting rails "pivoting"
- A0422-RF features four cable access ports 6" x 3/4" (152 mm x 19 mm); 19" EIA threaded equipment mounting rails "pivoting"
- A0622-RF features four cable access ports 6-3/4" x 2" (171 mm x 50 mm); 19" EIA threaded equipment mounting rails "pivoting"
- A0822-RF features four cable access ports 6-3/4" x 2" (171 mm x 50 mm); 19" EIA threaded equipment mounting rails "pivoting"
- 13772-001 features larger cable openings for Cat 6a cables; two ports 14-3/4" x 3-1/4" (374 mm x 82 mm) and two ports 6-1/4" x 7" (158.8 mm x 180 mm); 19" EIA threaded equipment mounting rails "pivoting"
- A1422-RF features four cable access ports 9-3/4" x 2-3/4" (247 mm x 69 mm); 19" EIA threaded equipment mounting rails "fixed"
- 13772-002 features larger cable openings for Cat 6a cables; six ports 14-3/4" x 3-1/4" (374 mm x 82 mm); 19" EIA threaded equipment mounting rails "pivoting"

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
A0222-RF	1U+1U Enclosure for 2 (50) Floor	10 (4.5)
A0422-RF	1U+1U Enclosure for 4 (100) Floor	10 (4.5)
A0622-RF	2U+2U Enclosure for 6 (150) Floor	23 (10.4)
A0822-RF	4U+4U Enclosure for 8 (200) Floor	23 (10.4)
13772-001	4U+4U Enclosure for 8 (200) Floor, Large Ports	25 (11.3)
A1422-RF	11U Enclosure for 14 (360) Floor	30 (13.6)
13772-002	4U+4U Enclosure for 14 (360) Floor, Large Ports	30 (13.6)



A0822-RF-F

## Raised Floor Enclosure For Fiber

Prepare your data center for future changes by prewiring it with fiber connections located under an access floor.

- Fits under a single 2' x 2' access floor tile
- A0822-RF-F features two 7" x 2" (180 mm x 50 mm) cable access ports and 19" EIA threaded equipment mounting rails with 4U of rack-mount unit space
- A1422-RF-F features two 10" x 2-1/2" cable access ports and 19" EIA threaded equipment mounting rails with 6U of U space
- Equipment mounting rails can be centered or offset in the enclosure to accommodate angled patch panels or longer electronics
- Cable tie points simplify cable management
- Includes (4) access floor support brackets

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
A0822-RF-F	4U Fiber Enclosure for 9 (230) Floor	30 (13.6)
A1422-RF-F	6U Fiber Enclosure for 14 (356) Floor	30 (13.6)



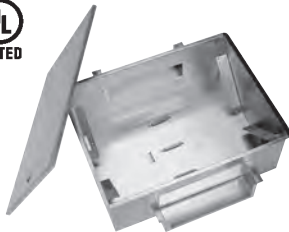
A1411-RF-HR

## Raised Floor Enclosure For Active Component

Features a lift-out tray for 2U x 10-1/4"D (260.4 mm) of active components and 5U (divided 2U - 1U - 2U) for passive connectivity.

- Includes a junction box for a duplex power outlet
- Includes fan to remove heat generated by active components

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
A1411-RF-HR	7U Enclosure for 14 (360) Floor	30 (13.6)



A0802-RF-DI

## Raised Floor Enclosure With Locking Cover For Patch Panels

"Drop-In" enclosure measures 21-1/4" x 22-1/4" (539.8 mm x 565.2 mm)

and includes a locking cover for use completely below access floor tiles. Installation only requires the removal of one floor tile.

- Features pivoting mounting rails similar to models above and is perfect for existing data centers

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
A0802-RF-DI	4U+4U Enclosure for 9 (230) Floor	25 (11.3)



## Ceiling Enclosures

Ceiling Enclosures fit within a single 2' x 2' or 2' x 4' space, replacing a standard acoustical ceiling tile. The enclosure's face and interior are painted white and have recessed panels to support a ceiling tile, so that they blend with the drop ceiling. A fully hinged door panel with latch closures supports equipment. The door opens downward so that equipment is facing the service technician. Three door styles are available to support wiring blocks, patch panels or active components. Door locks are available as an accessory.

Ceiling Enclosures are UL Listed, suitable for low voltage and active applications and for use in air handling spaces.

- 2' x 2' enclosures support 70 lb (31.8 kg) of cables and equipment and 20 lb (9.1 kg) on the access door
- 2' x 4' enclosures support 80 lb (36.3 kg) of cables and equipment and 50 lb (22.7 kg) on the pneumatic assisted access door
- Enclosures fit in 12"H (300 mm) drop ceilings and attach to building structure with four or six 3/8" threaded rods (ordered separately)
- Includes two or four edge-protected cable access ports with fire-rated foam sealing kits



A1222-HR

## Ceiling Enclosure For Hubs, Switches And Patch Panels

Telecommunication enclosure supports a combination of active components and patch panels or other panel-mount termination hardware. Enclosures include a junction box for power and a fan to remove heat generated by active components.

- A1222-HR provides 5U for patch panels and 2U x 15"D (380 mm) for active equipment; equipment mounts on the door
- 13812-001 provides larger cable openings for Cat 6a; one 3-1/4" x 14-3/4" (82.6 mm x 374.7 mm) and one 6-1/4" x 6-7/8" (158.8 mm x 174.6 mm)
- A1024-HR provides 5U for patch panels and 2U x 15"D (380 mm) for active equipment; equipment mounts on the door
- A1224-HR provides a total of 10U with (3) brackets sized 4U - 2U - 4U to support a combination of patch panels and 15"D (380 mm) or less active equipment; brackets may be mounted on the door or the back of the enclosure
- Order #12-24 equipment mounting screws separately

Part Number	Description	Shipping Weight lb (kg)
A1222-HR	2' x 2' Ceiling Enclosure	39 (17.7)
13812-001	2' x 2' Ceiling Enclosure, Large Ports	40 (18.1)
A1024-HR	2' x 4' Ceiling Enclosure	47 (21.4)
A1224-HR	2' x 4' Ceiling Enclosure	45 (20.4)



A1222-PP



13813-001

## Ceiling Enclosure For Patch Panels

Secure a consolidation point using 19" patch panels or other panel-mount termination hardware.

- A1222-PP provides a total of 5U with (3) brackets sized 2U - 1U - 2U; brackets mount on the door
- 13812-002 provides larger cable openings for Cat 6a; one 3-1/4" x 14-3/4" (82.6 mm x 374.7 mm) and one 6-1/4" x 6-7/8" (158.8 mm x 174.6 mm)
- A1024-PP provides a total of 5U with (3) brackets sized 2U - 1U - 2U; brackets mount on the door
- A1224-PP provides a total of 10U with (3) brackets sized 4U - 2U - 4U; brackets may be mounted on the door or the back of the enclosure
- Order #12-24 equipment mounting screws separately

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
A1222-PP	2' x 2' Ceiling Enclosure	38 (17.2)
13812-002	2' x 2' Ceiling Enclosure, Large Ports	39 (17.7)
A1024-PP	2' x 4' Ceiling Enclosure	43 (19.6)
A1224-PP	2' x 4' Ceiling Enclosure	45 (20.4)
13813-001	Ceiling Enclosure Fan Kit & Junction Box	3 (1.4)

*Fan Kit & Junction Box, included with 13812-001, can be installed on either 13812-002 or 13812-003 to better support active components.*



A1224-LP

## Ceiling Enclosure For Wiring Blocks

Secure a consolidation point using wiring blocks. Enclosures include removable equipment mounting plates that can be match drilled to accommodate a wide variety of wiring blocks.

- A1222-LP has (1) mounting plate, size 13-3/4"W x 19-1/2"L (349 mm x 495 mm) for (2) 300-pair 110D (without legs) style blocks or (1) 300-pair 110A (with legs) style blocks
- 13812-003 provides larger cable openings for Cat 6a; one 3-1/4" x 14-3/4" (82.6 mm x 374.7 mm) and one 6-1/4" x 6-7/8" (158.8 mm x 174.6 mm)
- A1024-LP has (1) mounting plate, 16"W x 22"L (406 mm x 559 mm) for (2) 300-pair 110A (with legs) style blocks
- A1224-LP has (2) mounting plates, size 13-3/4"W x 19-1/2"L (349 mm x 495 mm) for (4) 300-pair 110D (without legs) style blocks or (2) 300-pair 110A (with legs) style blocks

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
A1222-LP	2' x 2' Ceiling Enclosure	38 (17.2)
13812-003	2' x 2' Ceiling Enclosure, Large Ports	39 (17.7)
A1024-LP	2' x 4' Ceiling Enclosure	43 (19.6)
A1224-LP	2' x 4' Ceiling Enclosure	45 (20.4)



## Basic Consolidation Enclosures

Basic Consolidation Enclosures (BCE) provide a low-cost, low-density consolidation point for telecommunication cabling. Both Ported (-P) and Non-Ported (-N) enclosures can be configured to be used either above the drop ceiling or below an access floor. All Ported versions (-P) come with a fire-rated foam sealing kit, making them suitable for air handling spaces. Basic Consolidation Enclosures are UL Listed (2043), plenum rated and come with a sealed door and a clear aluminum finish.



BCE-6-P

### BCE-6-P

BCE-6-P measures 14"W x 6"D x 20"L (360 mm x 150 mm x 510 mm) and includes installation brackets for attachment to building structure with 3/8" threaded rods. (Equipment mounting brackets not included.)

Part Number	Description	Shipping Weight lb (kg)
BCE-6-P	2-Port Enclosure	7 (3.2)



BCE-24-P

### BCE-24-P/N

BCE-24-P/N measures 14"W x 3"D x 20"L (360 mm x 80 mm x 510 mm). It includes rotating threaded interior mounting brackets for 1U of 19"W patch panel. Order #12-24 equipment mounting screws separately.

Part Number	Description	Shipping Weight lb (kg)
BCE-24-P	1U 2-Port Enclosure	7 (3.2)
BCE-24-N	1U Non-Ported Enclosure	7 (3.2)



BCE-48-P

### BCE-48-P/N

BCE-48-P/N measures 14"W x 6"D x 20"L (360 mm x 150 mm x 510 mm). It includes rotating threaded interior mounting brackets for 2U of 19"W patch panels. Order #12-24 equipment mounting screws separately.

Part Number	Description	Shipping Weight lb (kg)
BCE-48-P	2U 2-Port Enclosure	12 (5.4)
BCE-48-N	2U Non-Ported Enclosure	12 (5.4)

## Service Parts

CPI provides a variety of replacement parts for zone cabling enclosures. Chrome Lock Kits and Spare Keys enhance security of the Ceiling Enclosure, replacing existing turn locks. Mounting Brackets ensure weight of Raised Floor Enclosure is fully supported.



Spare  
Keys

Chrome  
Lock Kit

### Chrome Lock Kits/Spare Keys

Optional locks provide additional security for all standard ceiling enclosures. Includes two locks and two keys.

Part Number	Description
Chrome Lock Kit	Lock Kit, Pair
Spare Keys	Spare Keys, Pair



RF-BRACKET

### Raised Floor Mounting Brackets

Additional brackets used to support Raised Floor Enclosures from access floor support pedestals.

Part Number	Description
RF-BRACKET	Mounting Brackets, 4 each





## Wire Cage Enclosures

Wire Cage Enclosures create a security partition around your equipment in shared facility spaces such as Multitenant Data Centers (MTDC), colocation sites, entrance facilities and equipment rooms. Wire Cage Enclosures feature an open design made from a woven wire mesh that allows airflow to equipment, while providing physical security. CPI Wire Cage Enclosures are a simple, economical way to partition your space and secure your equipment.

Wire Cage Enclosures are comprised of several standard components including Modular Panels, Posts, Adjustable Panels, Doors and Door Locks. Each component is described below. Wire Cage Enclosures are available painted Black or Glacier White. Work with CPI Technical Support to create a unique solution, sized to match your specific site requirements.

### Features:

- Easy configuration and ordering – Simply contact CPI Technical Support, and they will ask a series of questions about the size of the cage and preferred door size, style, location and lock. CPI will create a quote based on your described solution, and your order will ship as a complete kit under asingle part number.
- Complete partitions and security for your space and equipment – Provides physical security for your cabinets and equipment. A variety of locks are available to secure cage doors, and a ceiling can be added if required.
- Easy integration into the existing site – The open 2" x 1" rectangular mesh design allows free circulation of air to support the existing cooling system, lighting design and the fire suppression system within the secured area.

- Strong, secure and durable construction – Support posts have welded base plates that allow direct floor anchoring. Panels bolt directly to support posts, utilizing the heaviest assembly hardware in the industry. All cage assembly hardware is inside the cage, so panels cannot be tampered with from the outside. Standard 3/8" wedge anchors hold partitions firmly in place.
- Modular design allows easy installation – The scalable, modular design allows the system to match site requirements. All components ship together as a complete kit. Posts and panels bolt together to form the cage. Self-drilling screws are used to attach doors. No cutting or grinding is required during installation. Assembly hardware is included and easily accessible from inside the frame.
- Matched finish for CPI Glacier White cabinets – Available in Glacier White finish to match your F-Series TeraFrame Gen 3 Cabinets, N-Series TeraFrame Gen 3 Network Cabinets and GF-Series GlobalFrame Gen 2 Cabinets in Glacier White.

**Please contact CPI Technical Support for your Wire Cage Enclosure layout and pricing information. Simply email your layout information/drawing with the subject line "Wire Cage Enclosures" to [techsupport@chatsworth.com](mailto:techsupport@chatsworth.com), and include your contact information in the body of the email.**

**A CPI Representative will then contact you.**

## SECTION 2

# THERMAL MANAGEMENT SOLUTIONS

Air Containment Solutions .....	2-3
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# THERMAL MANAGEMENT SOLUTIONS

CPI offers a comprehensive portfolio of thermal management products designed to meet the evolving needs of modern data centers. Our range of air containment solutions, such as the Elevate™ Adjustable Containment Solution and Build to Spec (BTS) Kit, provides efficient airflow management by creating closed hot air return systems. These systems effectively channel hot air from the tops of cabinets to an overhead drop ceiling, reducing the need for energy-intensive cooling methods and enhancing overall cooling efficiency. Cabinet Supported Cold Aisle Containment (CAC) isolates a room's cold air supply, confining it to an entirely closed off area targeted at cooling IT equipment instead of the room. The Vertical Exhaust Duct for the ZetaFrame® Cabinet System complements these solutions by providing a sealed pathway for hot air exhaust, optimizing data center airflow and lowering energy costs.

In addition to air containment, CPI's collaboration with ZutaCore® brings cutting-edge liquid cooling solutions to our portfolio, including the innovative HyperCool® Solution. This direct-to-chip, waterless, liquid cooling solution offers high-performance cooling for the most demanding HPC, AI, and ML workloads. By leveraging a highly efficient waterless cooling process, CPI's liquid cooling solutions not only support the highest levels of server densification but also enable significant reductions in power usage and carbon emissions. Together, these air and liquid cooling solutions provide a holistic approach to thermal management, ensuring data centers operate at peak efficiency while minimizing environmental impact.

## Where Can I Learn More?

To learn more about CPI's Thermal Management Solutions, or to find additional part numbers not listed in this catalog, please visit our website, [chatsworth.com](https://www.chatsworth.com).

## Featured Product:

### Elevate™ – Hot Aisle and Row Level Adjustable Containment Solution

- Telescoping Design
- Time to Deploy
- Ease of Specification



# EL=E VATE



### Air Containment Solutions

CPI's latest innovation in Aisle Containment has sharpened focus on total air isolation, resulting in a solution that helps reduce energy costs and optimizes power availability. The flexibility to deploy the containment system into the hot or cold aisle provides the ability to overcome facility challenges like limited ceiling height, complicated overhead pathways or the inability to add a drop ceiling or overhead return ducts. Frame Supported options support colocation facilities and roll in/roll out deployment, allowing cabinets to be added or omitted from contained aisles, while maintaining air isolation.

#### Currently available in these solutions:

- Elevate™ – Hot Aisle and Row Level Adjustable Containment Solution
- Build to Spec (BTS) Hot Aisle Containment (HAC) Solution
- Cabinet Supported Cold Aisle Containment (CAC) Solution
- Vertical Exhaust Duct Solution

#### Features:

- Effectively utilize 100% of supplied air and reduce chilled air waste
- Improve CRAC efficiency because of the higher supply-to-return temperature differences
- Support 4x higher heat and power densities (30•kW)
- Eliminate Hot Spots
- Allow increased room temperature, higher set points on cooling equipment and chilled water temperatures for more free cooling hours using low-cost economizers
- UL® Listed, AHJG, File #SA44528

## Aisle Containment Door Assembly

Use with all CPI containment solutions. The door assembly encloses the end of an aisle between adjacent cabinet rows. Available in single and double door assemblies. Fits snugly against the cabinets, and features an integrated interior handle, full height vertical edge seals, height adjustable brush floor seals and a magnetic door seal. Automatic close system ensures maximum performance by minimizing airflow disruptions. Low-profile design conceals installation hardware.



Aisle Containment Door Assembly Double Door



Aisle Containment Door Assembly Single Door, Open to the Right



Aisle Containment Door Assembly Single Door, Open to the Left

## Aisle Containment Door Options

- Door frames feature an integrated interior handle, full-height vertical-edge seals, height-adjustable brush floor seals and a magnetic door seal
- Automatic close system ensures maximum performance by minimizing airflow disruptions and includes a speed control damper for safe operation
- Detent-open feature for easy access during extended service periods
- No threshold under the door when opened
- Low-profile design conceals floor installation hardware
- Door frames are anodized aluminum with a large, full-height, transparent polycarbonate window
- Door track is aluminum extrusion; end panels, cover and brackets are steel
- Not compatible with cabinets/frames less than 42" D (1050 mm) on 7 tile, 168" (4200 mm) pitch
- End panels are painted glacier white or black; option for paint matched door frames available
- UL® Listed, AHJG, File #SA44528

### Dimensions (H x W x D), in (mm)

- For P/N 32770-XXX:
  - 1 size, assembly is 88.5"H x 106.9"W x 5.5"D (2248 mm x 2715 mm x 140 mm) with an 82"H x 42"W (2083 mm x 1067 mm) door opening
  - Spans 48"W to 72"W (1200 mm x 1800 mm) aisles (2 to 3 tiles)
- For P/N 32780-XXX:
  - 1 size, assembly is 88.5"H x 87.8"W x 5.4"D (2248 mm x 2231 mm x 137 mm) with an 82"H x 32"W (2083 mm x 810 mm) door opening
  - Spans 36"W to 48"W (910 mm x 1200 mm) aisles (1.5 to 2 tiles)
  - Retrofit solution for narrower 36" (910 mm) aisle clearance
- Patent: chatsworth.com/patents

Aisle Containment Door Assembly		
Part Number & Finish		Description
Black	Glacier White	
<b>Double Door</b>		
32770-701	32770-E01	With Painted Door Frames
32770-702	32770-E02	With Anodized Aluminum Door Frames
<b>Single Door, Opens To The Right</b>		
32780-702	32780-E02	With Painted Door Frames
32780-704	32780-E04	With Anodized Aluminum Door Frames
<b>Single Door, Opens To The Left</b>		
32780-701	32780-E01	With Painted Door Frames
32780-703	32780-E03	With Anodized Aluminum Door Frames

Notes: Double door spans two to three tile aisles and has a 42"W (1067 mm) door opening. Single door is right or left opening, spans two tile aisles and has a 32"W (812 mm) door opening. Order one Floor Mounting Template for each site.



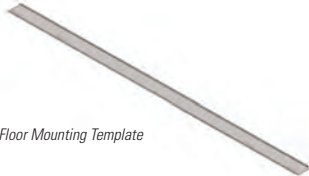
## Door Mounting Bracket

Secures the Aisle Containment Door Assembly to the tops of the cabinets. Two versions for use with or without Door Standoff Kit (P/N 32870). Includes two brackets; available in three height ranges

- Compatible with ZetaFrame cabinets

Aisle Containment Door Assembly		
Part Number & Finish		Description
Black	Glacier White	
Door Mounting Bracket Kit (use with Standoff Kit)		
32805-703	32805-E03	3\"/>
32805-704	32805-E04	5\"/>
32805-705	32805-E05	10\"/>
32780-704	32780-E04	With Anodized Aluminum Door Frames
Door Mounting Bracket Kit (use without Standoff Kit)		
32805-700	32805-E00	3\"/>
32805-701	32805-E01	5\"/>
32805-702	32805-E02	10\"/>

Floor Mounting Template



## Floor Mounting Template

Provides a pattern for marking and drilling the floor when installing Aisle Containment Doors. Reusable, only one required.

Aisle Containment Door Assembly	
Part Number & Finish	Description
Black	
32875-701	For Aisle Containment Double Door
32875-702	For Aisle Containment Single Door



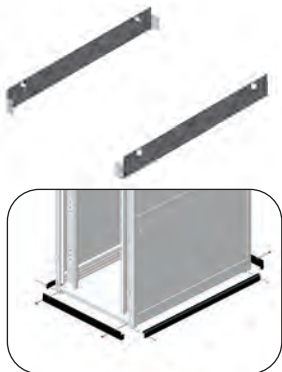
## Door Standoff Kit

Offsets door from the side of the cabinets, so floor mounting hardware is not located over the edges of the floor tiles. Provides approximately 2.5\"/>

Aisle Containment Door Assembly		
Part Number & Finish		Description
Black	Glacier White	
32870-701	32870-E01	For Containment Double Door Assembly
32870-702	32870-E02	For Containment Single Door Assembly

## Floor Seal Kits for ZetaFrame Cabinet

Cabinet To Floor Seal Kits to be place at the bottom of cabinets to seal the space between the bottom of the cabinet and the floor when leveling feet or casters are in use. Ideal for aisle containment applications.



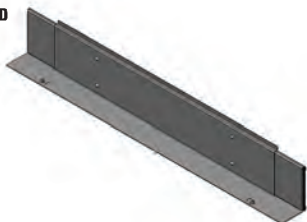
Part Number	Description
39996-X00	Front & Rear, for 23.6"W (600 mm) Cabinet
39996-X01	Front & Rear, for 27.6"W (700 mm) Cabinet
39996-X02	Front & Rear, for 39.5"W (750 mm) Cabinet
39996-X03	Front & Rear, for 31.5"W (800 mm) Cabinet
39997-X00	Side Seals, for 31.5"D (800 mm) Cabinet
39997-X08	Side Seals, for 39.4"D (1000 mm) Cabinet
39997-X10	Side Seals, for 41.3"D (1050 mm) Cabinet
39997-X12	Side Seals, for 43.3"D (1100 mm) Cabinet
39997-X16	Side Seals, for 47.2"D (1200 mm) Cabinet

Note: X=Color: 7=Black, E=Glacier White.

## Door Top Seal Kit

Use with Cabinet Supported Solutions only. Flush mount and offset mount versions available in three size ranges. Seals the gap above the door when the door is attached to cabinets over 88" (2235 mm) tall.

- Not required for Elevate Aisle Containment



Part Number	Description
<b>Door Top Seal Kit, For Use With Door Standoff Kit</b>	
32817-X04	Adjusts from 48"W (1219 mm) to 59"W (1500 mm)
32817-X05	Adjusts from 59"W (1500 mm) to 70"W (1775 mm)
32817-X06	Adjusts from 70"W (1775 mm) to 81"W (2050 mm)
<b>Door Top Seal Kit, For Use Without Door Standoff Kit</b>	
32817-X01	Adjusts from 48"W (1219 mm) to 59"W (1500 mm)
32817-X02	Adjusts from 59"W (1500 mm) to 70"W (1775 mm)
32817-X03	Adjusts from 70"W (1775 mm) to 81"W (2050 mm)

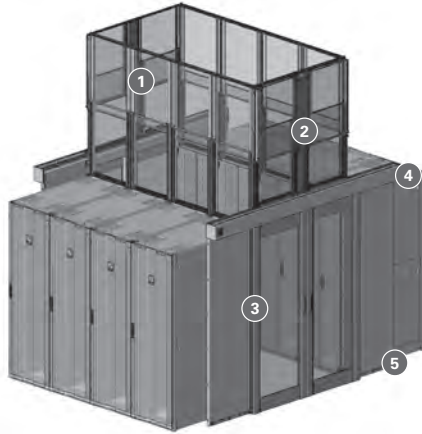
Note: X=Color: 7=Black, E=Glacier White.

## Adjustable Containment Solution Brush Kit

The ACS Brush Kit provides a penetration port through the 6 mm double wall polycarbonate panel for cabling infrastructure. When properly installed, the ACS brush kit will limit air leakage through the penetration and provide edge trim to protect cabling from sharp edges. Install the ACS brush kit in a restricted service environment, such as a data center, in environmentally controlled areas; do not use outdoors, in harsh environments or in air-handling spaces. The ACS brush kit is sized for use with standard cable runway sizes: 12", 18", and 24" width.



Part Number	Description
14590-001	Adjustable Containment Solution Brush Kit for 12" Cable Runway; 8.7" H x 16.75" W x 0.46" D (221 x 425.5 x 11.7); For .24" (6 mm) Panels; Black
14590-002	Adjustable Containment Solution Brush Kit for 18" Cable Runway; 8.7" H x 22.75" W x 0.46" D (221 x 577.9 x 11.7); For .24" (6mm) Panels; Black
14590-003	Adjustable Containment Solution Brush Kit for 24" Cable Runway; 8.7" H x 28.75" W x 0.46" D (221 x 730.3 x 11.7); For .24" (6mm) Panels; Black



## Elevate Adjustable Containment Solution for Hot Aisle Containment (HAC)

Elevate™ Adjustable Containment Solution for Hot Aisle Containment offers a cutting-edge approach to improve data center efficiency through effective hot air management. This innovative system links two rows of cabinets, forming a sealed pathway that channels hot air from the cabinet tops to an overhead drop ceiling. This creates an efficient closed hot air return system. The solution features a telescoping two-piece panel that precisely fits between the cabinet roof and the ceiling, allowing for seamless adjustment to form a duct connecting the ZetaFrame® cabinet to the ceiling and eliminating the need for custom modifications on-site.

### Solution Overview

- Telescoping Design :
  - Versatile design that easily adjusts to form a duct connecting the ZetaFrame cabinet to the ceiling
  - Flexibility to adjust the containment height as needed, minimizing complexity and maximizing efficiency
- Time to Deploy :
  - Pre-assembled panels, no on-site fabrication required for frames or panels
  - No drilling required, mounts to ZetaFrame top track
  - Mounting hardware pre-loaded onto part
  - Engineered for quick setup - less than 2 minutes per panel per cabinet
  - Reduced deployment times
- Ease of Specification :
  - Width sizes matched to standard ZetaFrame cabinet widths
  - Telescoping design in 3 height ranges
  - Supports hot aisle containment or row level vertical exhaust duct applications
  - Streamlined experience with our ZetaFrame cabinet-supported containment solution

- Serviceability :
  - Sliding service panel allows access to cabling infrastructure and other overhead structures
  - Options for alignment to frame rear or cabinet mid-point for maximum airflow

- 1 (14500-XXX) Adjustable Containment Solution Panels – Adjustable panels mount effortlessly on top of a row of cabinets to create a Hot Aisle Containment Duct. The panels feature a unique telescoping design that allows infinite adjustment within the specified height range. Panels are sized to match the width of each cabinet. One panel is required per cabinet.
- 2 (14625-XXX) Adjustable Containment Solution End of Row Panels – Panels span across the aisle between two rows of cabinets to create a Hot Aisle Containment Duct. The telescoping panels allow infinite adjustment within the specified height range. The panels mount to the top of Aisle Containment Double Door Assemblies (32770-XXX). Panel size options allow rear frame alignment or mid-span alignment for 1200 mm – 1100 mm depth
- 3 Aisle Containment Door Assembly – Sliding double doors (shown) or single door, both with automatic closing feature and large transparent panel(s). Doors attach to the cabinets at the ends of the aisle to seal the ends of the contained aisle. To simplify installation, a reusable Floor Mounting Template is also available.
- 4 Door Mounting Bracket Kit (not shown) – Adjustable height brackets used to attach the Aisle Containment Door Assembly to the tops of cabinets.
- 5 Aisle Containment Cabinet To Floor Seal Kit (not shown) – Cabinet-specific trim panels used along the base of cabinets to seal the gap between the floor and the bottom of the cabinet frame.



## Ordering Information

The specific combination of components needed to create a complete Adjustable Containment Solution (ACS) depends on a number of factors, including room layout, ceiling height and what size of cabinets models are selected.

To ensure you have a complete solution that addresses site- and cabinet-specific requirements, please contact CPI Technical Support for assistance developing a Bill of Materials (BOM).

Based on your input, CPI Technical Support will propose a complete solution with a drawing and detailed BOM. They will take the time to explain each selection, so you have a complete understanding of how CPI solutions will provide desired results.

Example Bill Of Materials (BOM)			
Item	Part Number	Description	Qty
<b>Elevate™ Adjustable Containment Solution</b>			
1	14500-701	Adjustable Containment Solution Panel*	10
2	14625-701	Adjustable Containment Solution End of Row Panel	2
3	32770-702	Aisle Containment Double Door Assembly, Black with Anodized Door Frames	2
4	32805-702	Door Mounting Bracket Kit, 3" H (76 mm)	2
<b>Recommended Accessories</b>			
	32875-701	Installation Template, Aisle Containment Double Door Assembly	1
	14590-001	Adjustable Containment Solution Brush Kit	1
	34537-702	Snap-In Filler Panel, 1U x 19"EIA, Black, Pack of 50	2
	34538-702	Snap-In Filler Panel, 2U x 19"EIA, Black, Pack of 50	2
	13671-002	Raised Floor Grommet, 10 Pack, Black	2

Notes: \*Consider each cabinet width while ordering individual panels in your POD. Example calculations for determining the correct ACS kit part number are listed below the image. Recommended Accessories include Thermal Management Accessories to seal the gaps within and around Cabinets. Contact CPI Technical Support (techsupport@chatsworth.com) to develop a BOM for your site.

Identify the width of each cabinet in the containment POD (Dim A)  
 - Match the cabinet width to panel width for each cabinet size

Calculate Dim D:  
 - Identify the cabinet height dimensions (Dim B)  
 - Identify the floor to ceiling height (Dim C)  
 - Calculate (Dim D) for correct panel range  
 •  $Dim D = Dim C - Dim B$

Select Dim E based on required aisle width  
 - Rear frame aligned OR mid-frame span

Based on Calculation:  
 - Order 1 Adjustable Panel per cabinet  
 - Order 2 End of Row Containment Panels

## Adjustable Containment Solution Panel for ZetaFrame Cabinet

Adjustable panels mount effortlessly on top of a row of cabinets to create a Hot Aisle Containment Duct. The panels feature a unique telescoping design that allows infinite adjustment within the specified height range. Panels are sized to match the width of each cabinet. One panel is required per cabinet.



14500-X02  
Height Range: 34-60"  
(864-1524 mm)



14500-X01  
Height Range: 20-34"  
(508-864 mm)

Part Number - Cabinet Width				Height in (mm)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	29.5"W (750 mm)	31.5"W (800 mm)		
14500-X00	14500-X03	14500-X09	14500-X06	14-20 (356-508)	18.8 (8.5)
14500-X01	14500-X04	14500-X10	14500-X07	20-34 (508-864)	23.9 (10.8)
14500-X02	14500-X05	14500-X11	14500-X08	34-60 (864-1524)	28.9 (13.1)

Note: X=Color: 7=Black, E=Glacier White.  
Shipping weights are for 800 mm configurations. Depth: 4.38" (111.3 mm)



14500-X00  
Height Range: 14-20"  
(356-508 mm)



14625-X02  
Height Range: 34-60"  
(864-1524 mm)



14625-X01  
Height Range: 20-34"  
(508-864 mm)



14625-X00  
Height Range: 14-20"  
(356-508 mm)

## Adjustable Containment Solution End of Row Panel for ZetaFrame Cabinet

Panels span across the aisle between two rows of cabinets to create a Hot Aisle Containment Duct. The telescoping panels allow infinite adjustment within the specified height range. The panels mount to the top of Aisle Containment Double Door Assemblies (32770-XXX). Panel size options allow rear frame alignment or mid-span alignment for 1200 mm – 1100 mm depth cabinets.

Part Number	Height Range in (mm)	Width in (mm)	Depth in (mm)	Shipping Weight lb (kg)
14625-X00	14-20 (356-508)	49.9 (1414.8)	3.96 (100.6)	41.8 (19.0)
14625-X01	20-34 (508-864)	49.9 (1414.8)	3.96 (100.6)	77.5 (35.2)
14625-X02	34-60 (864-1524)	49.9 (1414.8)	3.96 (100.6)	83.8 (38.0)
14625-X03	14-20 (356-508)	57.8 (1614.0)	3.96 (100.6)	67.2 (30.5)
14625-X04	20-34 (508-864)	57.8 (1614.0)	3.96 (100.6)	81.1 (36.8)
14625-X05	34-60 (864-1524)	57.8 (1614.0)	3.96 (100.6)	87.8 (39.8)
14625-X06	14-20 (356-508)	90.0 (2623.8)	3.96 (100.6)	78.0 (35.4)
14625-X07	20-34 (508-864)	90.0 (2623.8)	3.96 (100.6)	92.7 (42.0)
14625-X08	34-60 (864-1524)	90.0 (2623.8)	3.96 (100.6)	111.8 (50.7)

Note: X=Color: 7=Black, E=Glacier White.



## Elevate Adjustable Containment Solution for Row Level Vertical Exhaust Duct (VED)

**1** (14500-XXX) Adjustable Containment Solution Panels – Adjustable panels mount effortlessly on top of a row of cabinets to create a Hot Aisle Containment Duct. The panels feature a unique telescoping design that allows infinite adjustment within the specified height range. Panels are sized to match the width of each cabinet. Two panels are required per cabinet.

**2** (14520-XXX) Adjustable Containment Solution End of Row Duct Panels for Row Level Vertical Exhaust Duct (VED) – Panels mount to the top of a single row of cabinets to create a shared Vertical Exhaust Duct. The panels allow infinite adjustment within the specified height range. The panels mount to the side of 14500-XXX Adjustable Containment Solution Panels to create the Vertical Exhaust Duct. Two kits are required per row to complete both ends of the duct.

Identify the width of each cabinet in the exhaust duct row (Dim A)  
 - Match the cabinet width to panel width for each cabinet size

Calculate Dim D:  
 - Identify the cabinet height dimensions (Dim B)  
 - Identify the floor to ceiling height (Dim C)  
 - Calculate (Dim D) for correct panel range  
 •  $\text{Dim D} = \text{Dim C} - \text{Dim B}$

Based on Calculations:  
 - Order 2 Adjustable Panels per cabinet  
 - Order 2 End of Row Exhaust Duct Panels

## Ordering Information

The specific combination of components needed to create a complete Adjustable Containment Solution (ACS) Row Level Vertical Exhaust Duct (VED) depends on a number of factors, including room layout, ceiling height and what size of cabinets models are selected.

To ensure you have a complete solution that addresses site- and cabinet-specific requirements, please contact CPI Technical Support for assistance developing a Bill of Materials (BOM).

Based on your input, CPI Technical Support will propose a complete solution with a drawing and detailed BOM. They will take the time to explain each selection, so you have a complete understanding of how CPI solutions will provide desired results.

Example Bill Of Materials (BOM)			
Item	Part Number	Description	Qty
<b>Elevate™ Adjustable Containment Solution for Row Level Vertical Exhaust Duct (VED)</b>			
1	14500-701	Adjustable Containment Solution Panel*	10
2	14520-701	Adjustable Containment Solution End of Row Panel	2
<b>Recommended Accessories</b>			
	14590-001	Adjustable Containment Solution Brush Kit	1
	34537-702	Snap-In Filler Panel, 1U x 19"EIA, Black, Pack of 50	2
	34538-702	Snap-In Filler Panel, 2U x 19"EIA, Black, Pack of 50	2
	13671-002	Raised Floor Grommet, 10 Pack, Black	2

Notes: \*Consider each cabinet width while ordering individual panels in your POD. Example calculations for determining the correct ACS kit part number are listed below the image. Recommended Accessories include Thermal Management Accessories to seal the gaps within and around Cabinets. Contact CPI Technical Support (techsupport@chatsworth.com) to develop a BOM for your site.

## Adjustable Containment Solution End of Row Duct Panels for Row Level Vertical Exhaust Duct (VED)

Panels for Row Level Vertical Exhaust Duct (VED) – Panels mount to the top of a single row of cabinets to create a shared Vertical Exhaust Duct. The panels allow infinite adjustment within the specified height range. The panels mount to the side of 14500-XXX Adjustable Containment Solution Panels to create the Vertical Exhaust Duct. Two kits are required per row to complete both ends of the duct.



14520-X02  
Height Range; 34-60"  
(864-1524 mm)



14520-X01  
Height Range; 20-34"  
(508-864 mm)



14520-X00  
Height Range; 14-20"  
(356-508 mm)

Part Number	Height Range in (mm)	Width in (mm)	Depth in (mm)	Shipping Weight lb (kg)
14625-X00	14-20 (356-508)	49.9 (1414.8)	3.96 (100.6)	41.8 (19.0)
14625-X01	20-34 (508-864)	49.9 (1414.8)	3.96 (100.6)	77.5 (35.2)
14625-X02	34-60 (864-1524)	49.9 (1414.8)	3.96 (100.6)	83.8 (38.0)

Note: X=Color: 7=Black, E=Glacier White.



## Build To Spec (BTS) Hot Aisle Containment (HAC) Solution

The Build To Spec Hot Aisle Containment Solution is a field-fabricated containment system that includes components to create a duct over a hot aisle as part of a closed hot air return. It is suitable for a mix of cabinets and can be ceiling-supported or cabinet-supported, making it ideal for retrofit applications. The solution accommodates cabinets of varying heights, widths, and depths, providing flexibility for diverse setups.

### Solution Overview

- Field-fabricated duct accommodates site differences and existing conditions
- Compatible with a mix of cabinets – different heights, widths and depths in the same row
- Elevated, single piece duct allows cabinets to be removed, omitted or replaced as required
- Translucent duct panels and transparent door panels allow light to enter the contained aisle
- Doors close automatically to maintain containment and reduce recovery time
- A complete solution maximizes performance with baffles to seal around and within the cabinets and contained aisle
- Durable construction and maintenance-free design provide many years of use
- UL® Listed

### Containment Accessories:

- Floor Mounting Template

- 1 Build To Spec Kit (BTS) – Includes all of the components needed to construct a ceiling-supported or cabinet-supported duct to capture and direct airflow in the contained aisle. This design adapts to a mix of cabinets and allows cabinets to be changed when required. Used as part of a closed return for the air handling system.
- 2 Universal Bulb Seal – Edge seal used around drop panels to seal gaps above shorter cabinets. Bulb seal attaches directly to the edge of the panel.
- 3 Full-Height Cabinet Blanking Panel – Translucent panel and seal used to fill gaps where entire cabinets are omitted from the cabinet row or when adjacent cabinet rows are different lengths. Easy to install or remove in the field.
- 4 Aisle Containment Door Assembly – Sliding double doors (shown) or single door, both with automatic closing feature and large transparent panel(s). Doors attach to the cabinets at the ends of the aisle to seal the ends of the contained aisle.
- 5 Door Standoff Kit – Optional kit used when cabinets are placed over a raised floor to offset the door approximately 2.5” (64 mm).
- 6 Door Top Seal Kit (not shown) – Optional kit used when doors are shorter than cabinets to seal the gap between the top of the door and the top of the cabinets.
- 7 Door Mounting Bracket Kit (not shown) – Adjustable height brackets used to attach the Aisle Containment Door Assembly to the tops of cabinets.
- 8 Aisle Containment Cabinet to Floor Seal Kit – Cabinet-specific trim panels used along the base of cabinets to seal the gap between the floor and the bottom of the cabinet frame.

## BTS Ordering Information

The specific combination of components needed to create a complete BTS Hot Aisle Containment (HAC) Solution will depend on a number of factors, including room layout, ceiling height and what types of cabinets models are selected.

To ensure you have a complete solution that addresses site- and cabinet-specific requirements, please contact CPI Technical Support for assistance developing a Bill of Materials (BOM).

Based on your input, CPI Technical Support will propose a complete solution with a drawing and detailed BOM. They will take the time to explain each selection, so you have a complete understanding of how CPI solutions will provide desired results.

Example Bill Of Materials (BOM)			
Item	Part Number	Description	Qty
<b>BTS Hot Aisle Containment (HAC) Solution</b>			
1	33000-713	BTS Kit, 96"H (2438 mm) x 96"W (2438 mm) x 282"L (7163 mm), Black	1
2	33003-002	Universal Bulb Seal, 96"L (2438 mm), Pack of 10	1
3	33002-701	Full Height Cabinet Blanking Panel, 94"H (2387 mm) x 48"W (1219 mm), Pack of 2	1
4	32770-702	Aisle Containment Double Door Assembly, Black with Anodized Door Frames	2
5	32870-701	Door Standoff Kit, for Double Door Assembly	2
6	32817-706	Door Top Seal Kit, For Use With Door Standoff Kit, 70"W (1775 mm) to 81"W (2050 mm)	2
7	32805-703	Door Mounting Bracket Kit, 3"H (75 mm)	2
8	39208-700	Cabinet To Floor Front Seal Kit, 23.6"W (600 mm)	20
	39209-716	Cabinet To Floor Side Seal Kit, 47.2"D (1200 mm)	4
<b>Recommended Accessories</b>			
	32875-701	Installation Template, Aisle Containment Double Door Assembly	1
	34537-702	Snap-In Filler Panel, 1U x 19"EIA, Black, Pack of 50	2
	34538-702	Snap-In Filler Panel, 2U x 19"EIA, Black, Pack of 50	2
	13671-002	Raised Floor Grommet, 10 Pack, Black	2

For a more detailed analysis of your site, CPI offers a Pre-Installation Site Survey, a service where a CPI Technical Representative visits your site to provide a more detailed recommendation. To help ensure an optimized aisle containment installation, CPI offers On-Site Installation Supervision Services, which include related training and examination of the initial pods. Both Pre-Installation Site Surveys and On-Site Installation Supervision Support are especially important if there are special conditions, concerns or required customization.

All suggestions and performance statements are based on using an overall approach to airflow containment through the use of CPI products and solutions. For more information about CPI's Aisle Containment Services or products, call 800-834-4969, email [techsupport@chatsworth.com](mailto:techsupport@chatsworth.com) or contact your Regional Sales Manager.

All products quoted are subject to availability based on manufacturing capacity, and shipping dates should be considered estimates only. While every effort has been made to ensure the accuracy of all information, CPI does not accept liability for any errors or omissions and reserves the right to change information and descriptions of listed services and products.



*BTS Kit arrives on a pallet and includes eight unique components designed for easy installation and customization on-site.*



*BTS Kit assembled.*

Part Number & Finish		BTS Kit						Ref Row Length by # of Tiles
		Height		Width		Length		
Black	Glacier White	in	mm	in	mm	in	mm	
33000-701	33000-E01	48	1219	96	2438	94	2388	3
33000-702	33000-E02	48	1219	96	2438	188	4775	7
33000-703	33000-E03	48	1219	96	2438	282	7163	11
33000-704	33000-E04	48	1219	96	2438	376	9550	15
33000-705	33000-E05	48	1219	96	2438	470	11 938	19
33000-706	33000-E06	48	1219	96	2438	564	14 326	23
33000-707	33000-E07	48	1219	96	2438	658	16 713	27
33000-708	33000-E08	48	1219	96	2438	752	19 101	31
33000-709	33000-E09	48	1219	96	2438	846	21 488	35
33000-710	33000-E10	48	1219	96	2438	940	23 876	39
33000-711	33000-E11	96	2438	96	2438	94	2388	3
33000-712	33000-E12	96	2438	96	2438	188	4775	7
33000-713	33000-E13	96	2438	96	2438	282	7163	11
33000-714	33000-E14	96	2438	96	2438	376	9550	15
33000-715	33000-E15	96	2438	96	2438	470	11 938	19
33000-716	33000-E16	96	2438	96	2438	564	14 326	23
33000-717	33000-E17	96	2438	96	2438	658	16 713	27
33000-718	33000-E18	96	2438	96	2438	752	19 101	31
33000-719	33000-E19	96	2438	96	2438	846	21 488	35
33000-720	33000-E20	96	2438	96	2438	940	23 876	39
33000-721	33000-E21	48	1219	144	3658	94	2388	3
33000-722	33000-E22	48	1219	144	3658	188	4775	7
33000-723	33000-E23	48	1219	144	3658	282	7163	11
33000-724	33000-E24	48	1219	144	3658	376	9550	15
33000-725	33000-E25	48	1219	144	3658	470	11 938	19
33000-726	33000-E26	48	1219	144	3658	564	14 326	23
33000-727	33000-E27	48	1219	144	3658	658	16 713	27
33000-728	33000-E28	48	1219	144	3658	752	19 101	31
33000-729	33000-E29	48	1219	144	3658	846	21 488	35
33000-730	33000-E30	48	1219	144	3658	940	23 876	39
33000-731	33000-E31	96	2438	144	3658	94	2388	3
33000-732	33000-E32	96	2438	144	3658	188	4775	7
33000-733	33000-E33	96	2438	144	3658	282	7163	11
33000-734	33000-E34	96	2438	144	3658	376	9550	15
33000-735	33000-E35	96	2438	144	3658	470	11 938	19
33000-736	33000-E36	96	2438	144	3658	564	14 326	23
33000-737	33000-E37	96	2438	144	3658	658	16 713	27
33000-738	33000-E38	96	2438	144	3658	752	19 101	31
33000-739	33000-E39	96	2438	144	3658	846	21 488	35
33000-740	33000-E40	96	2438	144	3658	940	23 876	39

**Notes:**

- The BTS Kit includes the materials needed to create the duct over the cabinets and contained aisle.
- The duct should be slightly larger than the contained aisle; a minimum of 10" (250 mm) wider and 3" (75 mm) longer, so that it overlaps the adjacent cabinets.
- All containment packages come standard with adequate brackets to accommodate a ceiling- or cabinet-supported solution. Order ceiling or cabinet installation hardware separately.
- Doors, full-height cabinet blanking panels and additional materials for header/drop panels over cabinets must be ordered separately.



## Universal Bulb Seal For BTS Kit

Edge seal that attaches to Polycarbonate Panel providing an edge seal for duct drop panels over cabinets. Trim length to match site requirements

- Includes: (2) or (10) each, 96" L (2387 mm) bulb seals
- Material: Plastic; bulb is flexible PVC (UL 94HB or UL 94V0), support is rigid PVC (UL 94V0), barbs in support are flexible Alcryn (UL 94HB)
- Flammability Standards: UL 94HB or UL 94V0
- Finish: Black

Part Number	Description
33003-001	96" L (2438), Pack of 2, Black
33003-002	96" L (2438), Pack of 10, Black

*Note: Use as an edge seal around drop panels over cabinets.*



## Full Height Cabinet Blanking Panel; BTS Kit

Fills gaps when a cabinet is omitted from the aisle/cabinet row. Fits snugly and contains air in the enclosed hot aisle between the sides of adjacent rows.

Center panel is translucent and sides are painted. Includes horizontal and vertical seals; order hardware separately.

- Includes: 0.23" (6 mm) thick, 48"W (1219 mm) x 96"L (2387 mm) translucent panels, Universal Bulb Seal and aluminum extrusion supports
- Material: polycarbonate sheet and aluminum extrusion
- Surface Burning Characteristics of panels: ASTM E-84 (UL-723) Flame Spread Index = 0, Smoke Developed Index <=85.
- Finish: clear (translucent); extrusions are painted

Part Number & Finish		Description
Black	Glacier White	
33002-701	33002-E01	94"H (2387 mm) x 48"W (1219 mm), Pack of 2
33002-702	33002-E02	94"H (2387 mm) x 48"W (1219 mm), Pack of 10

*Note: Center panel is translucent, sides and brackets are painted.*



## Corrugated Flute Cutter For BTS Kit

The Corrugated Flute Cutter is the best cutting tool for trimming the width of the corrugated panels used with CPI's Hot Aisle Containment (HAC) Solutions.

- Ergonomic handle for easier cutting compared to utility knife
- Notched blade with guides for cutting along flutes in material
- Insert the guide into the panel flute and pull through material to cut to width

Part Number	Description
33001-001	Corrugated Flute Cutter, 4 mm, Sold Each
33001-002	Corrugated Flute Cutter, 4 mm, Pack of 10





## Cabinet Supported Cold Aisle Containment (CAC) Solution

The Cabinet Supported Cold Aisle Containment (CAC) Solution features a cabinet supported ceiling that is used over a contained cold aisle as part of a closed cold air delivery system. This solution integrates with perimeter cooling and provides immediate improved cooling efficiency by separating hot and cold air within the room. It can be used as an alternative to hot aisle containment where there are low ceilings, or where it would be difficult to add an overhead drop ceiling. It is ideal for small or medium data centers or computer rooms that are adopting containment but need to minimize changes when retrofitting the site.

### Solution Overview

- Cabinet supported ceiling panel kit, ordered as a single part number
- Compatible with ZetaFrame Cabinets
- Optional accessory filler panels accommodate shorter cabinets
- Translucent ceiling and transparent door panels allow light to enter the contained aisle
- Doors close automatically to maintain containment and reduce recovery time
- A complete solution maximizes performance with baffles to seal around and within the cabinets and contained aisle
- Durable construction and maintenance-free design provide many years of use
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

### Containment Accessories:

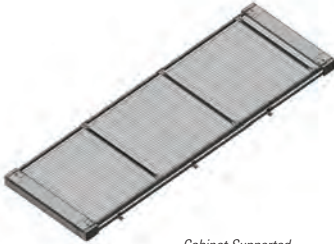
- Adjustable Height Filler Panel
- Universal Cabinet End Panel
- Door Top Seal Kit
- Floor Mounting Template

- 1** CPI Cabinet System – Create cabinet rows using ZetaFrame® Cabinet Solutions. Configure cabinets with Thermal Management Accessories that block airflow through and around cabinets.
- 2** Cabinet Supported Ceiling Panel Kit – Attaches to the tops of cabinets, forming a ceiling over the contained aisle. Ordered as a single part number to match aisle width and length.
- 3** Door Mounting Bracket Kit – Adjustable height brackets used to attach the Aisle Containment Door Assembly to the tops of cabinets.
- 4** Door Standoff Kit – Optional kit used when cabinets are placed over a raised floor to offset the door approximately 2.5" (64 mm) away from the side of cabinets so that the bottom of the door is not located over the edges of floor tiles.
- 5** Aisle Containment Door Assembly – Sliding double doors (shown) or single door, both with automatic closing feature and large transparent panel(s). Attaches to the ends of cabinets to seal the ends of the contained aisle.
- 6** Aisle Containment Cabinet To Floor Seal Kit – Cabinet-specific trim panels used along the base of cabinets to seal the gap between the floor and the bottom of the cabinet frame.

## CAC Ordering Information

### Cabinet Supported Ceiling Panel Kit

Encloses the top of an aisle between adjacent cabinet rows. Cabinet supported and fits snugly against the cabinet top panels. Large, translucent, full-width ceiling panels allow light to enter the contained aisle. Adjustable ends allow up to 8' (200 mm) of length adjustment, each end adjusts up to 4" (100 mm).



*Cabinet Supported Ceiling Panel Kit*

Part Number & Finish		Description
Black	Glacier White	
<b>Cabinet Supported Ceiling Panel Kit For 2 Tile, 48" W (1200 mm) Aisles*</b>		
32710-712	32710-E12	4"H (100 mm), 20'L (6.0 m)
32710-775	32710-E75	8"H (200 mm), 20'L (6.0 m)
32710-7BW	32710-EBW	12"H (300 mm), 20'L (6.0 m)
<b>For 3 Tile, 72" W (1800 mm) Aisles*</b>		
32711-712	32711-E12	4"H (100 mm), 20'L (6.0 m)
32711-775	32711-E75	8"H (200 mm), 20'L (6.0 m)
32711-7BW	32711-EBW	12"H (300 mm), 20'L (6.0 m)

*Note: Other sizes available.*

For a more detailed analysis of your site, CPI offers a preinstallation site survey service where a CPI Technical Representative visits your site to provide a more detailed recommendation. To help ensure an optimized aisle containment installation, CPI offers On-Site Installation Supervision Services, which includes related training and examination of the initial pods. Both Preinstallation Site Surveys and On-Site Installation Supervision Support are especially important if there are special conditions, concerns or required customization.

All suggestions and performance statements are based on using an overall approach to airflow containment through the use of CPI Products and solutions. For more information about CPI's Aisle Containment Services or products, call 800-834-4969, email [techsupport@chatsworth.com](mailto:techsupport@chatsworth.com) or contact your Regional Sales Manager.

Not exactly what you need? Additional products, sizes and configurations are available from CPI. Visit [chatsworth.com](http://chatsworth.com) or call 800-834-4969.

## Vertical Exhaust Duct Ordering Information

Order a ZetaFrame® Cabinet System with a Vertical Exhaust Duct using the part number matrix found on catalog page 1-5. Choose the Height, Width, Depth, Panels, Thermal Configuration and Color. Example part number: **ZB45-DB22B-71**. Please note that some optional features and accessories may require region-specific provisions. Consult your local representative for details.



### ZetaFrame® Cabinet Top Panel Ordering Options: (see catalog page 1-5)

- Choice of standard panel or Vertical Exhaust Duct
- Standard panel:
  - One-piece solid panel with (4) 3.9"W x 8.8"D (99 mm x 224 mm) grommet- or brush-sealed cable openings, (1) per corner
  - Unsealed openings are 4.5"W x 9"D (114 mm x 228 mm), large enough to pass large PDU plugs
- Vertical Exhaust Duct:
  - Includes the duct and a solid front panel with (2) 3.9"W x 8.8"D (99 mm x 224 mm) brush-sealed cable openings, (1) per corner. A half brush seal is included at the lower rear of the duct
  - For use with cabinets 41.3" D (1050 mm) or deeper
  - Select duct size to match the distance between the top of the cabinet and the overhead drop ceiling; the duct features easy height adjustment and a flexible top seal

## Vertical Exhaust Duct Service Part

To order a Vertical Exhaust Duct for an existing ZetaFrame® Cabinet System, please order from the following Service Part Table. Vertical Exhaust Duct attaches to the top of the cabinet to provide a

sealed pathway for exhaust air from the top of the cabinet to an overhead drop ceiling as part of a closed hot air return.

- Used with Solid Rear Door, Bottom Panel, Air Dam, Snap-In Filler Panels and Air Director for a complete and effective airflow containment strategy
- Fits cabinets that are 41.3"D (1050 mm) or deeper
- Two-piece duct adjusts in height to span the distance between the top of the cabinet and the overhead drop ceiling; available in three sizes (see description in order table)
- Features easy height adjustment, has a flexible seal at the top to accommodate variations in the drop ceiling
- Includes a brush-sealed cable opening on the back of the duct to allow power cords to enter the back of the cabinet when the duct is installed
- Includes: Vertical Exhaust Duct and installation hardware



Part Number - Cabinet Width				Duct Height in (mm)	Shipping Weight lb (kg)
23.6"W (600 mm)	27.6"W (700 mm)	29.5"W (750 mm)	31.5"W (800 mm)		
39873-X00	39873-X01	39873-X02	39873-X03	15-20 (381-508)	20 (9.1)
39873-X04	39873-X05	39873-X06	39873-X07	20-34 (508-863)	29 (13.2)
39873-X08	39873-X09	39873-X10	39873-X11	34-60 (863-1523)	51 (23.2)

X=color: 7=Black, E=Glacier White. Shipping Weights are for 800 mm ducts

## Liquid Cooling Solution

CPI delivers advanced liquid cooling solutions through the integration of ZutaCore® HyperCool® technology within the ZetaFrame® Cabinet System. This innovative, waterless, direct-to-chip liquid cooling system effectively manages extreme power densities in high-performance computing environments, ensuring optimal protection for data center equipment. The HyperCool® solution enables data center operators to:

- Cool the hottest processors, even those exceeding 1500 watts, while maintaining consistent performance without throttling
- Reduce power usage by more than 35%
- Align with net-zero sustainability goals
- Integrate seamlessly into CPI's ZetaFrame® Cabinet System to achieve greater computing power at significantly lower total costs of ownership without requiring modifications to existing infrastructure

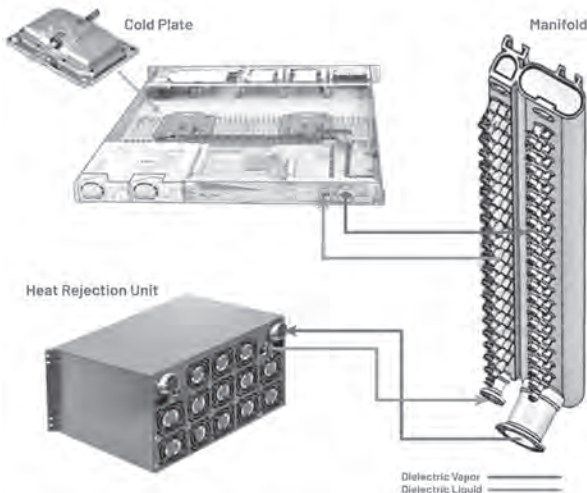
CPI's ZetaFrame® Cabinet System, a versatile platform that combines cable management, thermal management, power management, environmental monitoring, and access control, provides a comprehensive approach to data center design. By integrating ZutaCore® liquid cooling solutions, the system supports high power densities and reduces energy consumption, enhancing efficiency and sustainability. Complementary thermal management solutions, such as air containment systems and vertical exhaust ducts, further optimize cooling and provide flexible design options. This fully integrated, turnkey solution:

- Reduces on-site labor
- Reduces packaging waste
- Reduces transport costs
- Minimizes reliance on traditional cooling systems which ultimately lowers the carbon footprint of data centers

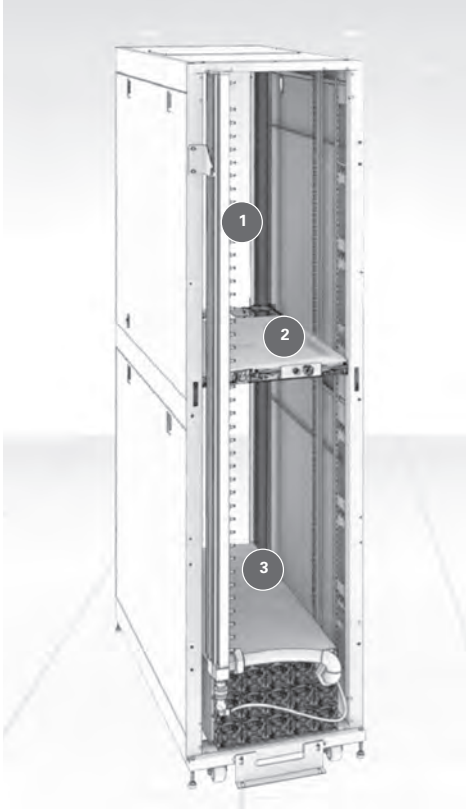


Seamless Integration installation with ZetaFrame® Cabinet System.

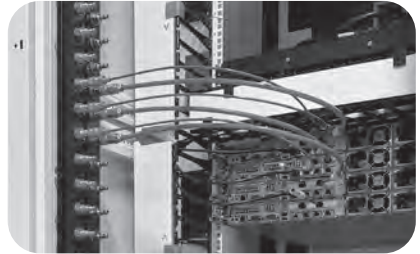
### How the 2-phase ZutaCore HyperCool system works:



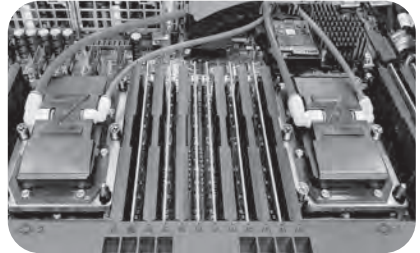
## How the 2-phase ZutaCore HyperCool system works:



- 1 Manifolds:** HyperCool manifolds distribute the dielectric fluid to the cold plates via outlet ports and return vaporized fluid back to the HRU via inlet ports.



- 2 Cold Plates:** Dielectric cold plates sit on the processors in the server and allow the dielectric fluid to boil and vaporize the heat away from the processors and servers, without making direct contact with the electronics.

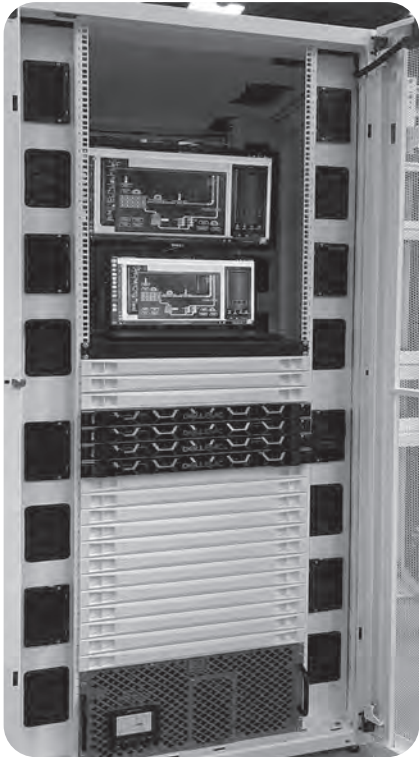


- 3 Heat Rejection Unit (HRU):** HRUs move the dielectric fluid to the servers via manifolds and ensure efficient condensation of the vapor and rejection of the heat it contains.



## Benefits of integrating the ZutaCore system into the ZetaFrame Cabinet System include:

- One complete, ready to deploy solution that has been installed and test in rack prior to shipping upon receipt
- PDU installation (optional)
- Reduced on-site packaging waste, labor, and footprint requirements in trucks for transport
- Reduced energy consumption and improved cooling efficiency, minimizing the reliance on traditional air conditioning systems, and lowering the overall carbon footprint of data centers



Front and rear view of installation with ZetaFrame® Cabinet System.

# RACKS & CABLE MANAGEMENT

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# RACKS & CABLE MANAGEMENT

CPI's relay-style frames are industry-leading and support equipment and cabling with unrivaled strength, stability and durability. Four-post racks provide the strength and stability of an independent cabinet in a cost-effective open solution.

Open wall-mount racks present easy access to cables and equipment and offer both fixed and swing frames. Swing frames pivot open on one side to provide access to the rear of equipment and are used to support patch panels, while fixed frames hold more weight and are used for network routers and switches.

Whether you update your current infrastructure or design a new installation, trust that CPI experts will deliver the most comprehensive cable management product line in the industry.

## Where Can I Learn More?

To learn more about CPI's Rack Systems or Cable Management Products, and to find additional part numbers not listed in this catalog, please visit our website, [chatsworth.com](http://chatsworth.com).

## Related Tools:

Use these tools, under the Resources tab on [chatsworth.com](http://chatsworth.com), to simplify your planning, selection, order and purchase of CPI Racks or Cable Management Products.

- Visio Shapes
- CAD Blocks
- BIM Drawings
- Cable Fill
- MasterFormat Specifications

## Featured Products:

### Evolution® Cable Management

- Tool-Less & Adjustable
  - Movable Mid-Section Kit
  - Cable Distribution Spool

### Motive® Cable Management

- Ships Full Assembled
- Black or White finger options available
- Packaging 100% recyclable







HCAI-OPM-0261



Bonding Studs located directly on rack channel



U marks simplify equipment installation

## Universal Rack

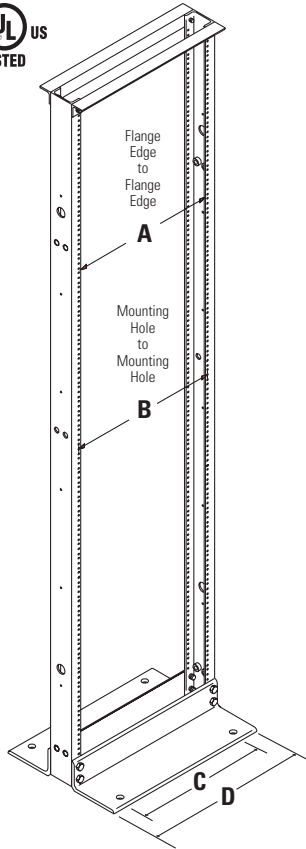
### Features:

- High-strength, lightweight aluminum extrusion construction
- (2) top angles or top bars and heavy-duty assembly hardware for stronger rack to handle heavier loading
- 50 special #12-24 mounting screws with combination Phillips/Straight heads and pilot points to reduce cross threading and installation time
- Unique packaging inserts eliminate damage from components hitting together in the carton during shipping and handling; racks are packed unassembled in individual cartons
- Ease of assembly is enhanced through use of threaded channels; no hex nuts are required
- Universal 5/8" - 5/8" - 1/2" (15.9 mm - 15.9 mm - 12.7 mm) alternating hole pattern offers greater mounting flexibility, maximizes usable mounting space and is compatible with conventional width 1-1/4" - 1/2" (31.8 mm - 12.7 mm) alternating hole patterns
- Integrated masked bonding studs on the inside of the rack channel for quick attachment to the Telecommunications Bonding System
- Available in powder coat color finishes: Gray, Black, Glacier White or grained aluminum finish (Clear)
- State-of-the-art manufacturing methods provide the best quality and fastest delivery in the industry
- EIA-310 side channels have multiple mounting holes and (4) pem nuts for quick installation of cable management
- EIA Channels: C-Shaped, 1.265" x 3" (32.13 mm x 76 mm); .25" (6.4 mm) thick front/rear flanges; .17" (4.3 mm) thick web (pair)
- Base Angles: 3.5" x 6.0" x .375" (89 mm x 152 mm x 9.53 mm) thick (pair)
- Top Angles: 1.5" x 1.5" x .25" (38 mm x 38 mm x 6.4 mm) thick (pair)
- Top Angles, Flush Bolted: 1.5" x 2.0" x .25 (38 mm x 51 mm x 6.4 mm) thick
- Top Bars: 1.5" x .25" (38 mm x 6.4 mm) thick (pair)
- Panel Mounting Holes: #12-24 rolled threads in both flanges front and back
- Custom configurations and assemblies available by special order
- Assembly hardware is included
- Select models (P/N 48353-XXX, 48383-XXX) are UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory
- Weight capacity 1500 lb (680.4 kg) — weight must be evenly distributed, and rack must be properly secured to floor

*Installation Hint: When mounting equipment, use #3 Phillips tip to assure maximum torque.*

## Channel Cross Section and Hole Pattern Standards

CPI offers EIA aluminum channel uprights on all Standard and Universal racks. All Standard and Universal racks are threaded to accept industry standard #12-24 mounting screws. Extra care is taken in that the threads are "rolled" rather than "cut" for greater strength and durability. The Universal Rack hole pattern is 5/8"-5/8"-1/2" (15.9 mm-15.9 mm-12.7 mm) and is compatible with wide 1 1/4"-1/2" (31.8 mm-12.7 mm) patterns, while offering greater flexibility.



## Universal Rack Ordering Matrix

- UL Listed racks offered in multiple heights and 19" or 23" widths
- For heavy-duty, high-capacity installations.

Top Bar or Angles	
460	Two Top Bars
463	Two Top Angles
467	Two Top Angles, Flush Bolted
483	UL Listed (With Two Top Angles)

Width - in	
5	19 EIA Channel
8	23 Channel

Mounting Holes	
3	Mounting Holes Both Sides

Color	
1	Gray
5	Clear
7	Black
E	Glacier White

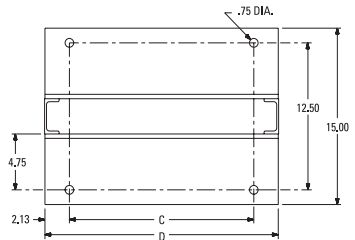
Height		
31	3 (0.9)	17U
20	4 (1.2)	24U
19	5 (1.5)	31U
00	5.6 (1.7)	34U
01	6 (1.8)	38U
02	6.6 (2.0)	41U
03	7 (2.1)	45U
05	7.6 (2.3)	48U
15	8 (2.4)	51U
17	8.6 (2.6)	55U
08	9 (2.7)	58U

4XX X X - X XX

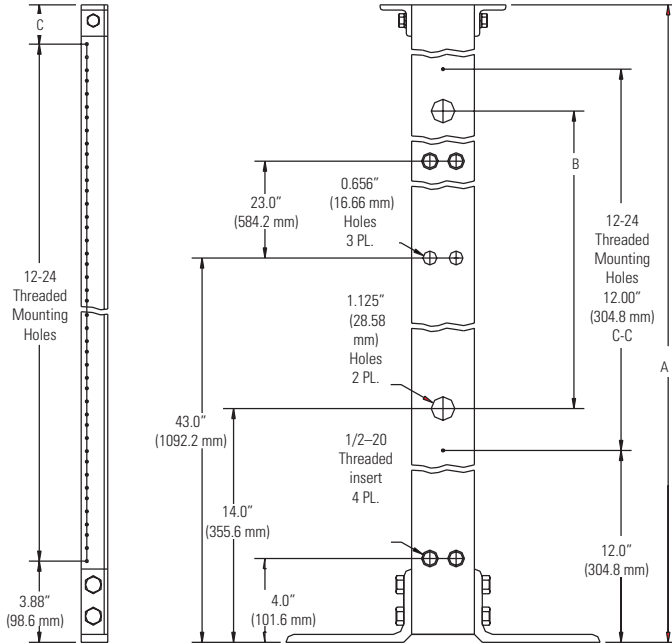
Dimension	19" EIA Rack in (mm)	23" EIA Rack in (mm)
A	17.75 (450.9)	21.75 (552.5)
B	18.31 (465.1)	22.31 (566.7)
C	16 (410.0)	20 (510.0)
D	20.31 (515.9)	24.31 (617.5)

Shipping Weights - lb (kg)	
6' (1.8 m) Rack	37 (16.8)
7' (2.1 m) Rack	39 (17.7)
8' (2.4 m) Rack	41 (18.6)

Top View of Base Angle



Dimensions:

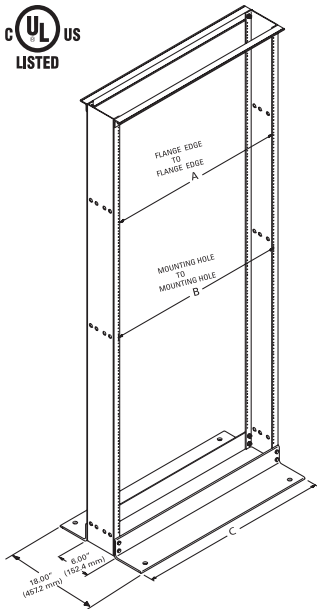


Front and Rear Flanges  
(both sides drilled)

Web Surface  
7' (2.1 m) Universal Rack

Rack Height Dimension A ft (m)	Dimension B in (mm)	Dimension C in (mm)	Number of Mounting Holes	Number of Mounting Spaces
3 (0.9)	N/A	1.75 (44.5)	53	17
4 (1.2)	N/A	2.13 (54.1)	72	24
5 (1.5)	43 (1090)	1.88 (47.8)	94	31
5.6 (1.7)	44 (1120)	2.00 (50.8)	104	34
6 (1.8)	56 (1420)	2.12 (53.8)	114	38
6.6 (2.0)	56 (1420)	1.75 (44.5)	125	41
7 (2.1)	56 (1420)	1.87 (47.5)	135	45
7.6 (2.3)	56 (1420)	2.62 (66.5)	144	48
8 (2.4)	72 (1830)	2.25 (57.2)	155	51
8.6 (2.6)	72 (1830)	2.38 (60.5)	165	55
9 (2.7)	72 (1830)	2.00 (50.8)	176	58





P/N 66363 (35" W) Shown:  
The 6"D (150 mm) Standard Rack is the high-capacity frame that is designed for use with cabling sections.

### Standard Rack 6"D (150 mm)

Features 6"D (150 mm) upright mounting channels for MDF, IDF and other high-capacity distribution frame applications. The additional rack depth provides extra room for high-density equipment and cable needs.

- High-strength aluminum construction
- Supplied with (2) top angles for additional strength
- EIA-310 Standard Universal 5/8" - 5/8" - 1/2" (15.9 mm - 15.9 mm - 12.7 mm) alternating hole pattern offers greater mounting flexibility and is fully compatible with conventional wide 1-1/4" - 1/2" (31.8 mm - 12.7 mm) alternating hole patterns
- Rack space U marks simplify equipment installation
- High-strength, roll-formed threaded mounting holes
- Ships unassembled and individually packaged
- Integrated masked bonding studs on the inside of the rack channel for quick attachment to the Telecommunications Bonding System
- Includes assembly hardware and (50) pilot point #12-24 mounting screws with combination Phillips/Straight heads
- Weight capacity 1000 lb (453.6 kg) — weight must be evenly distributed and rack must be properly secured to the floor
- UL Listed; File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory

HCAI Preapproval of Manufacturer's Certification #: OPM-0261

Part Number	Description H x W Height - ft (m)	Shipping Weight lb (kg)
66353-X03	7 (2.1) x 19", 45U	38 (17.2)
66383-X03	7 (2.1) x 23", 45U	42 (19.1)
66363-X03	7 (2.1) x 35", 45U	52 (23.6)

X= color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

**HCAI-OPM-0261**

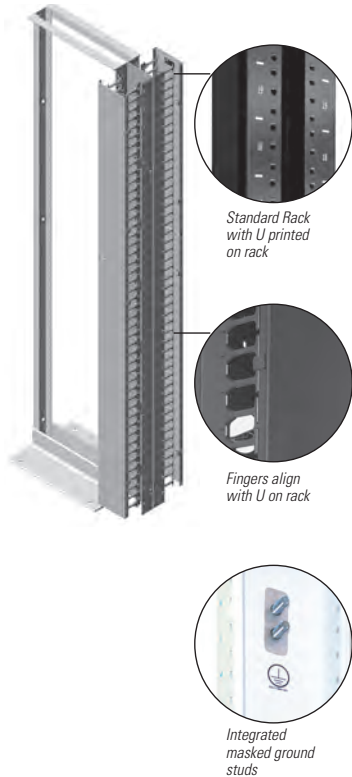
Rack Dimensions			
Dimension	19" EIA Rack in (mm)	23" EIA Rack in (mm)	35" EIA Rack in (mm)
A	17.79 (451.9)	21.79 (553.5)	33.79 (858.3)
B	18.31 (465.1)	22.31 (566.7)	34.31 (871.5)
C	20.31 (515.9)	24.31 (617.5)	36.31 (922.3)



## Global Standard Pack

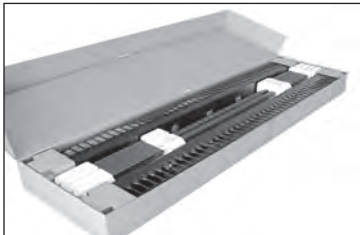
The Global Standard Pack shown has two Global Vertical Cabling Sections used back-to-back on the same side of the rack to create a double-sided cable manager. Cabling sections can also be mounted on opposite sides of the rack to create two single-sided cable pathways.

- Numbered rack-mount unit (U) spaces on the rack are printed on the equipment mounting channels, providing the installer an easy way of positioning equipment in planned spaces
- Cable openings in Global Vertical Cabling Section align with U spaces on the rack, allowing cables to exit by the U
- Integrated masked bonding studs on the inside of the rack channel for quick attachment to the Telecommunications Bonding System
- Cable openings have rounded edges to protect cable and will not deform or break
- Door/cover snaps on and opens to the right or left for easy access to cables during moves, adds or changes
- Global Standard Pack is UL Listed as a communication circuit accessory
- Rack installation kit for concrete floor



Part Number	Description Width in (mm)	Shipping Weight lb (kg)
57001-X03	(1) Standard Rack, 45U x 19" EIA, UL (1) GVCS Single-Sided Vertical Cable Manager, 3.65"W (92.7 mm) (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	50 (22.7)
57002-X03	(1) Standard Rack, 45U x 19" EIA, UL (2) GVCS Single-Sided Vertical Cable Managers, 3.65"W (92.7 mm) (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	65 (29.5)
57003-X03	(1) Standard Rack, 45U x 19" EIA, UL (1) GVCS Single-Sided Vertical Cable Manager, 6"W (150 mm) (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	52 (23.6)
57004-X03	(1) Standard Rack, 45U x 19" EIA, UL (2) GVCS Single-Sided Vertical Cable Managers, 6"W (150 mm) (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	67 (30.4)

X=color: 5=Clear, 7=Black, E=Glacier White. Clear (-5XX) versions include GVCS with black doors/covers and cable guides. GVCS is 6.76"D (171.7 mm).



Combines a 7"H x 19"W x 3"D (2.1m x 19" W x 80 mm) Standard Rack, Global Vertical Cabling Sections and Concrete Floor Installation Kit into one convenient shipping container.



*Rack-Mount Unit (U) marks simplify equipment installation*



*Ground Studs located directly on rack channel*



*Side cable openings align with U marks on the rack*

## Velocity Standard Pack

The Velocity Standard Pack is an easy-to-use solution for managing equipment and cabling at the cross connect. The Velocity Standard Pack is offered in four variations, with a single-sided or double-sided cable manager in either 3.6" W (91 mm) or 6" W (152 mm). Cable managers can be mounted on either side of the standard rack.

- Numbered rack-mount spaces on the Standard Rack are printed on the equipment mounting channels, providing the installer an easy way of positioning equipment in planned spaces
- Cable openings in Velocity Vertical Cable Managers align with rack-mount units on the rack, allowing cables to exit by rack-mount units
- Integrated masked bonding studs on the inside of the rack channel for quick attachment to the Telecommunications Bonding System
- Cable openings have rounded edges to protect cable and will not deform or break
- Cover snaps on and opens to the right or left for easy access to cables during moves, adds or changes

### Velocity Standard Pack includes:

- (1) 45U x 19" Standard Rack
- (1) Single or double-sided Velocity vertical cable manager
- (1) Rack installation kit for concrete floors

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
57011-703	(1) Standard Rack, 45U x 19"EIA, UL, Black; (1) Velocity Single-Sided Vertical Cable Manager, 3.6"W (91 mm), Black; (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	47 (21.3)
57012-703	(1) Standard Rack, 45U x 19"EIA, UL, Black; (1) Velocity Double-Sided Vertical Cable Manager, 3.6"W (91 mm), Black; (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	60 (27.2)
57013-703	(1) Standard Rack, 45U x 19"EIA, UL, Black; (1) Velocity Single-Sided Vertical Cable Manager, 6"W (152 mm), Black; (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	50 (22.7)
57014-703	(1) Standard Rack, 45U x 19"EIA, UL, Black; (1) Velocity Double-Sided Vertical Cable Manager, 6"W (152mm), Black; (1) Rack Installation Kit for concrete floor, 1/2" hardware, Zinc	68 (30.8)



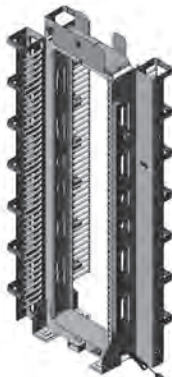
## SeismicFrame Two-Post Rack

- Welded, steel network equipment rack engineered specifically to protect equipment in areas with seismic activity
- Available in two sizes: 24"W (610 mm) or 28"W (710 mm)
- Vertical Powers Strips and T-shaped Cable Management Fingers attach directly to the rack channel to provide power and cable distribution for equipment
- 19"W Rack fits within a 24" (610 mm) access floor tile
- Fully bonded rack has (2) masked bonding locations and includes a Two Mounting Hole Bonding Terminal Block for easy connection to the Secondary Bonding Busbar (SBB)
- Independently seismic-tested and certified, meets industry recognized Telecordia Technologies, Inc. GR-63-CORE Network Equipment Building Systems (NEBS) Zone 4 requirements
- EIA-310 Compliant
- UL Listed NWIN per UL60950, File E227626
- 1000 lb (453.6 kg) load rating for seismic areas

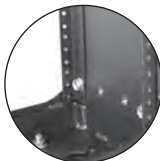
### Includes:

- (1) welded, steel frame
  - (4) equipment mounting rails
  - (50) each equipment mounting screws/cage nuts
  - (4) each Anchor Washers
  - (1) Two Mounting Hole Bonding Terminal Block
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)
  - HCAI Preapproval of Manufacturer's Certification #: OPM-0249

HCAI-OPM-0249



*SeismicFrame Two-Post Rack populated with available accessories*



*Adjustable Depth Mounting Rails*

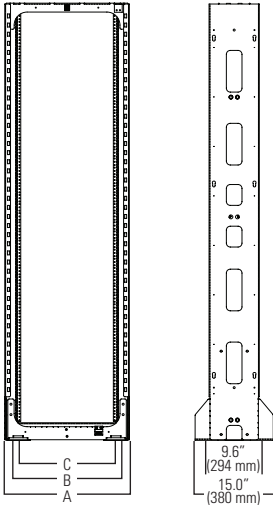


*Two Mounting Hole Bonding Terminal Block*



## SeismicFrame Two-Post Rack

Open, two-post, seismic rack supports 19" W EIA or 23" W rack-mount equipment.



Description	19 in (mm)	23 in (mm)
Overall Width (A)	24.0 (610)	28.0 (710)
Frame Opening (B)	19.3 (490)	23.3 (592)
Rail Clearance (C)	17.75 (450)	21.75 (552)

Part Number	Description H x W ft (m)	Shipping Weight lb (kg)
13853-X03	7 (2.1) x 19", 44U Tapped #12-24 Zinc Rails	180 (81.6)
13854-X03	7 (2.1) x 19", 44U Square-Punched Zinc Rails	178 (80.7)
13855-X03	7 (2.1) x 19", 44U Tapped #12-24 Painted Rails	180 (81.6)
13856-X03	7 (2.1) x 19", 44U Square-Punched Painted Rails	178 (80.7)
13883-X03	7 (2.1) x 23", 44U Tapped #12-24 Zinc Rails	185 (83.9)
13884-X03	7 (2.1) x 23", 44U Square-Punched Zinc Rails	183 (83.0)
13885-X03	7 (2.1) x 23", 44U Tapped #12-24 Painted Rails	185 (83.9)
13886-X03	7 (2.1) x 23", 44U Square-Punched Painted Rails	183 (83.0)

Notes: X=color; 1=Gray, 7=Black.

Install using (4) seismic-rated concrete anchors (sold separately).

### Cable Management:

- The top of the rack is punched with attachment points for the CPI Top-Mount Cable Waterfall Tray and Cable Runway
- Attach 9" W (230 mm), 12" W (300 mm), 15" W (380 mm) and 18" W (460 mm) Cable Runway to racks in perpendicular (front-to-back) orientation with the Cable Runway J-Bolt Kit; 23" W racks will also support 20" W (510 mm) Cable Runway
- Attach 12" W (300 mm) to 24" W (610 mm) Cable Runway in parallel (side-to-side) orientation with the 3" W (80 mm) Channel Rack-To-Runway Mounting Plate.
- The front of the rack is punched with attachment points for the CPI Cable Management Fingers Kits
- The sides of the rack are punched with three pairs of centered, 1/2-20 threaded attachment points for CPI SeismicFrame Two-Post Rack Vertical Cabling Section
- Attach a CPI Single-Sided Wide Vertical Cabling Section to the side of the rack with the CPI Vertical Cabling Section Offset Mounting Bracket Kit
- Evolution Cable Management and MCS-EFX Master Cabling Section with Extended Fingers will also attach to the side of the rack
- Velocity Cable Management will not attach to the side of the rack Shelves:
- Use CPI Heavy Duty Equipment Shelf for 6" (150 mm) Channel with the rack's mounting rails set 6" (150 mm) apart
- When rails are set 3" W (80 mm) apart, the maximum shelf width on 19" W racks is 19.3" W (490 mm) and the maximum shelf width on 23" W racks is 23.3" W (592 mm)

7U



## Cable Management Fingers Kit

Organize patch cords and jumper cables by U space.

- 7U T-shaped plastic cable guides snap onto the front and rear of the rack frame
- Openings between the T-shaped guides align with each U space on the rack
- Single-Sided Kit includes 12 cable guides for one side (front or rear) of the rack
- Double-Sided Kit includes 24 cable guides for both sides (front and rear) of the rack

Part Number	Description	Shipping Weight lb (kg)
13696-001	Fingers Kit, Single-Sided, Black	7 (3.2)
13696-002	Fingers Kit, Double-Sided, Black	14 (6.4)

Color is Black.



13697-001

## SeismicFrame Two-Post Rack Accessories

### Vertical Power Strip Mounting Kit

Includes mounting hardware that allows two CPI Vertical Power Strips to attach to the keyholes on the sides of the SeismicFrame Two-Post Rack or the back of the Vertical Cabling Section listed above. Cannot be used on the same side as the Vertical Cabling Section or Cable Management Fingers Kit.

### Duplex Electrical Outlet Box

Provides a location for a power connection at the base of the rack. Includes a single-gang box for a single duplex receptacle and two self-tapping Torx head T25 installation screws. Outlet box is welded steel, 3-3/4" H x 1-13/16" W x 2-1/2" D (95 mm x 46 mm x 64 mm) with a 15.5 in<sup>3</sup> (250 cm<sup>3</sup>) wiring capacity, has eight (four accessible) concentric knockouts for 1/2" or 3/4" conduit and is zinc galvanized for corrosion protection. UL Listed.

Part Number	Description	Shipping Weight lb (kg)
13697-001	Vertical Power Strip Mounting Kit	1 (0.5)
13698-001	Duplex Electrical Outlet Box, Zinc	1 (0.5)
13697-X01	Vertical Power Strip Mounting Kit, Clear	1 (0.5)

X=Color; 1=Gray, 2=Beige, 7=Black, E=Glacier White



13698-001



## Adjustable Rail QuadraRack (ARQR) and Adjustable Rail ServerRack (ARSR)

The Adjustable Rail QuadraRack® (ARQR) and the Adjustable Rail ServerRack (ARSR) provide a sturdy, feature-rich solution for supporting rack-mount network, computer server and data storage equipment in data centers, computer equipment rooms and other IT facilities. Both racks offer the strength and stability of an enclosure in an open four-post mounting system that provides easy access to equipment and cabling.

The front and rear frames are welded to speed up assembly and increase strength. Four brackets connect the front and rear corners of the frames. Front mounting rails attach to the front frame in a fixed position and align with the front of the rack or can be reversed for recessed mounting to maximize side-to-side airflow through network switches. Rear mounting rails are adjustable in depth and can extend beyond the rear of the frame. A second set of holes along the sides of the frame lets you add optional side-mounted equipment support rails and vertical power strips that are independent of the mounting rails and use no U. The bottom of the rack is punched for easy floor attachment.

Each rack includes a Top-Mount Cable Waterfall Tray with adjustable radius drops to allow easy side-to-side routing for patch cords. Use with any CPI cabling section (vertical cable manager) or Cable Guide Kits to organize cables along the sides of the rack. Attach CPI Cable Runway to the top of the rack with J-Bolts, a Cable Runway Elevation Kit or a Cable Runway Mounting Bracket to support overhead premise cables. A side panel is also available.

### Features:

- Available in three heights and two depths
- Adjustable Rail QuadraRack (ARQR) has threaded mounting holes that speed up installation of patch panels, fiber enclosures and network switches.
- Adjustable Rail ServerRack (ARSR) has square-punched mounting rails that allow you to change mounting hardware (Clik-Nut® or cage nuts) to match specific computer server and data storage equipment mounting requirements
- Each U is marked and numbered
- Front pair of mounting rails may be mounted to allow U numbering to start at the top or bottom of the rack
- Rear mounting rail adjusts in depth
- UL Listed; File E227626; Category NWIN (US), NWIN7 (Canada) – Information Technology and Communications Equipment Cabinet, Enclosure and Rack
- Each rack will support up to 2200 lb (1000.0 kg) of equipment

### Includes:

- (2) mounting frames
- (4) horizontal braces
- (2) front mounting rails
- (2) rear mounting rails
- (1) top-mount cable tray
- Assembly hardware: (1) Two Mounting Hole Bonding Terminal Block and Antioxidant Joint Compound
- ARSR includes (50) #12-24 cage nuts and screws
- ARQR includes (50) #12-24 screws



Mounting Rails can be flipped to change numbering from bottom-to-top or top-to-bottom

## Adjustable Rail 4-Post Rack Ordering Matrix

- UL Listed racks offered in multiple heights and 19" or 23" widths
- For heavy-duty, high-capacity installations

Adjustable Rail QuadraRack® and Adjustable Rail ServerRack	
1525	19" Adjustable Rail 4-Post Racks

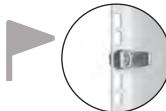
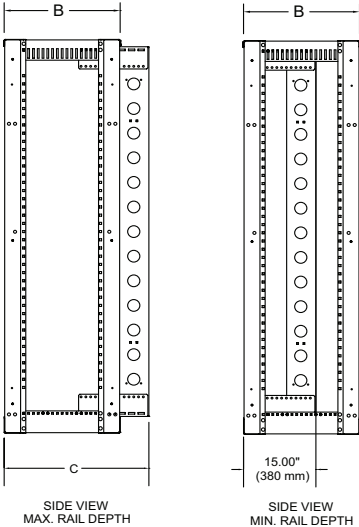
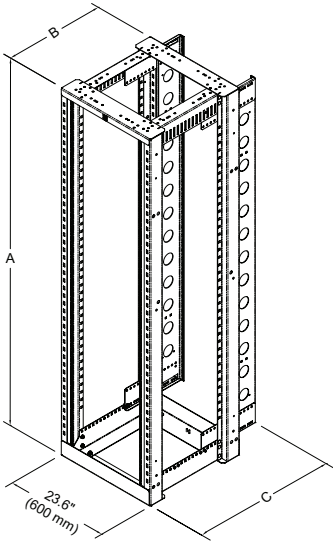
	Mounting Hole Style	Rack Depth (B) in (mm)	Max. Rail Depth (C) in (mm)
1	#12-24 Threaded	23.62 (600)	29.52 (750)
2	#12-24 Threaded	35.43 (900)	41.33 (1050)
3	Square-Punched	23.62 (600)	29.52 (750)
4	Square-Punched	35.43 (900)	41.33 (1050)

Note: Min. Rail Depth is 15" (380 mm).

Color	
1	Gray
7	Black
E	Glacier White

Height (A)		
U	Height - in (mm)	
01	38	72 (1800)
03	45	84 (2100)
15	51	96 (2400)

1525	X	-	X	XX
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Clik-Nut® cage nuts make installation time quick and easy. Go to page 2-20 for ordering information.



## Adjustable Rail 4-Post Rack Accessories Equipment Support Rail

Attaches to the side of the Adjustable Rail QuadraRack or ServerRack and provides a .98"W (25 mm) support surface for equipment. Does not interfere with U spaces. Supports 200 lb (90.7 kg) of equipment and includes hardware.



## Top-Mount Cable Waterfall Tray

One Top-Mount Cable Waterfall Tray is included with each rack to guide patch cords side-to-side or rack-to-rack. 6"W x 5.2"D (152 mm x 132 mm) steel tray.

## Cable Guide Kit

T-shaped cable guides (7U) snap-on to the front or rear of the rack to organize cables. The openings align with each U space on the rack.



## Side Panel

Solid, steel side panel used to cover the end of the rack and/or vertical cable managers at the end of a row. Matches the height and depth of rack, steel.

## Fixed Equipment Mounting Rail

Additional pair of equipment mounting rails to create a solution with two mounting depths set between 15"D (381 mm) and the rack depth. Includes installation hardware.



15259-X01



15260-X01

Mounting Rails can be flipped to change numbering from bottom-to-top or top-to-bottom

Part Number	Description H x W Height - ft (m)	Shipping Weight lb (kg)
15285-X01	Equipment Rail, for 23.62" (600 mm) Racks	7 (3.2)
15285-X02	Equipment Rail, for 35.43" (900 mm) Racks	11 (5.0)
15275-X01	Top-Mount Cable Waterfall Tray	14 (6.4)
15286-X01	Cable Guide, for 38U Racks, Black	5 (2.3)
15286-X03	Cable Guide, for 45U Racks, Black	6 (2.7)
15286-X15	Cable Guide, for 51U Racks, Black	7 (3.2)
15270-X01	Side Panel, 23.62"D x 72"H	51 (23.1)
15270-X02	Side Panel, 23.62"D x 84"H	57 (25.9)
15270-X03	Side Panel, 23.62"D x 96"H	48 (21.8)
15270-X04	Side Panel, 35.43"D x 72"H	63 (28.6)
15270-X05	Side Panel, 35.43"D x 84"H	71 (32.2)
15270-X06	Side Panel, 35.43"D x 96"H	60 (27.2)
15259-X01	Fixed Rail, Threaded, for 38U Racks	20 (9.1)
15259-X03	Fixed Rail, Threaded, for 45U Racks	23 (10.4)
15259-X15	Fixed Rail, Threaded, for 51U Racks	26 (11.8)
15260-X01	Fixed Rail, Square-Punched, for 38U Racks	19 (8.6)
15260-X03	Fixed Rail, Square-Punched, for 45U Racks	22 (10.0)
15260-X15	Fixed Rail, Square-Punched, for 51U Racks	25 (11.3)

X=color; 1=Gray, 7=Black, E=Glacier White



HCAI-OPM-0302

## Adjustable QuadraRack (AQR) and ServerRack (ASR)

The Adjustable QuadraRack and the Adjustable ServerRack provide a sturdy, cost-effective solution for supporting rack-mount network, computer server and data storage equipment in data centers, computer equipment rooms and other IT facilities. Both racks offer the strength and stability of an enclosure in an open four-post frame that provides easy access to equipment and cabling.

Each rack will support up to 2000 lb (907.2 kg) of equipment. The corner posts are C-shaped equipment mounting channels that provide front and rear support for 19" W rack-mount equipment or shelves. The front and rear frames are welded to reduce assembly time. Four brackets connect the front and rear corners of the rack. The rack is available in four heights and four depth ranges. The front-to-rear depth of the mounting channels can be adjusted up to 5.91" (150 mm) in depth in .98" (25 mm) increments during assembly. The mounting channels are fixed in place once assembled to surround and protect equipment.

The Adjustable QuadraRack has threaded mounting holes that make installation time of patch panels, fiber enclosures and network switches shorter. Adjustable ServerRack has square-punched holes that let you change mounting hardware (Clik-Nuts or cage nuts) to match specific computer server and data storage equipment mounting requirements. Each U is marked on the channels, making it easy to locate and position equipment. A second set of holes along the sides of the channels lets you add optional side-mounted Equipment Support Rails that use no additional U.

### Features:

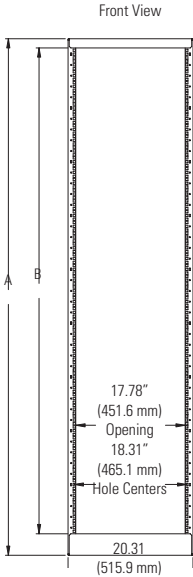
- Open design for unrestricted airflow and easy access to equipment and cabling
- Self-squaring assembly with welded front and rear frames reduces assembly time
- Mounting channels adjust in depth to provide front and rear support for equipment
- Maximizes floor space with a minimal rack footprint
- Rack components are bonded together during assembly
- Includes a Two Mounting Hole Bonding Terminal Block for easy attachment to the Secondary Bonding Busbar (SBB)
- Choose square-punched or threaded equipment mounting holes
- U spaces are marked on the mounting channels
- Easy to bay together to create multi-rack configurations
- Use with any CPI Cabling Section to manage cables
- Support large equipment on heavy-duty shelves or on side-mounted Equipment Support Rails
- UL Listed; File E227626; Category NWIN (US), NWIN7 (Canada) – Information Technology and Communications Equipment Cabinet, Enclosure and Rack
- Supports 2000 lb (907.2 kg) of equipment

HCAI Preapproval of Manufacturer's Certification #: OPM-0302

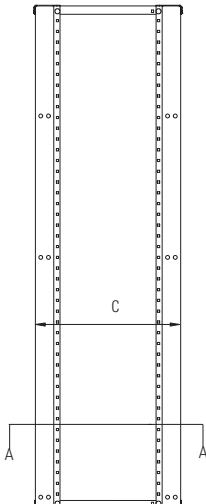


Self-squaring  
assembly

## Adjustable 4-Post Rack Ordering Matrix



Side View



Adjustable QuadraRack® and ServerRack, 19"	
1521	19" Adjustable 4-Post Racks

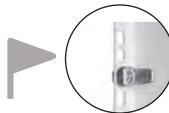
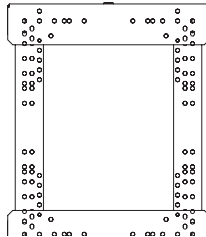
	Mounting Hole Style	Mounting Channel Depth Range (C) in (mm)
1	Square-Punched	15.75 to 21.65 (400 to 550)
2	Square-Punched	22.64 to 28.54 (575 to 725)
3	Square-Punched	29.53 to 35.43 (750 to 900)
4	Square-Punched	36.42 to 42.32 (925 to 1075)
5	#12-24 Threaded	15.75 to 21.65 (400 to 550)
6	#12-24 Threaded	22.64 to 28.54 (575 to 725)
7	#12-24 Threaded	29.53 to 35.43 (750 to 900)
8	#12-24 Threaded	36.42 to 42.32 (925 to 1075)

Color	
1	Gray
7	Black
E	Glacier White

Height (A)			
	U	(A) - in (mm)	(B) - in (mm)
01	38	72 (1800)	67 (1700)
03	45	84 (2100)	79 (2000)
15	51	96 (2400)	91 (2300)
08	58	108 (2740)	103 (2620)

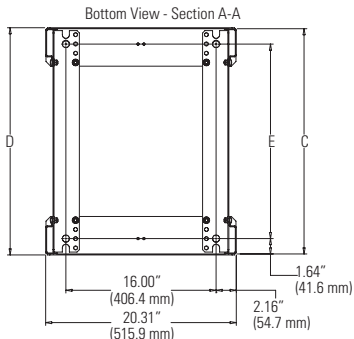
1521	X	-	X	XX
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Note: Mounting channel depth adjusts in .98" (25 mm) increments during assembly. The mounting depth is fixed once the rack is assembled. See the table on next page for a list of mounting channel depth settings by part number.



Clik-Nut® cage nuts make installation time quick and easy. Go to page 2-20 for ordering information.

# ADJUSTABLE RAIL 4-POST RACK



**Notes:**

1. There are seven depth settings for each part number as listed in the table.
2. Each rack adjusts front-to-rear in depth up to 5.91" (150 mm) in .98" (25 mm) increments.
3. Rack mounting channel depth is fixed once assembled.
4. Overall Depth (D) is Channel Depth (C) + .21" (5.3 mm).
5. Floor Mounting Holes (E) are Channel Depth (C) - 3.28" (83.3 mm).

Mounting Channel Depth Settings and Dimensions by Part Number							
Part Numbers		Channel Depth (C)		Overall Depth (D)		Floor Mounting Holes (E)	
		in	mm	in	mm	in	mm
15215-XXX	15211-XXX	15.75	400	15.96	405.4	12.47	316.7
		16.73	425	16.94	430.3	13.45	341.6
		17.72	450	17.93	455.4	14.44	366.8
		18.70	475	18.91	480.3	15.42	391.7
		19.69	500	19.90	505.5	16.41	416.8
		20.67	525	20.88	530.4	17.39	441.7
		21.65	550	21.86	555.2	18.37	466.6
15216-XXX	15212-XXX	22.64	575	22.85	580.4	19.36	491.7
		23.62	600	23.83	605.3	20.34	516.6
		24.61	625	24.82	630.4	21.33	541.8
		25.59	650	25.80	655.3	22.31	566.7
		26.57	675	26.78	680.2	23.29	591.6
		27.56	700	27.77	705.4	24.28	616.7
		28.54	725	28.75	730.3	25.26	641.6
15217-XXX	15213-XXX	29.53	750	29.74	755.4	26.25	666.8
		30.51	775	30.72	780.3	27.23	691.6
		31.50	800	31.71	805.4	28.22	716.8
		32.48	825	32.69	830.3	29.2	741.7
		33.46	850	33.67	855.2	30.18	766.6
		34.45	875	34.66	880.4	31.17	791.7
		35.43	900	35.64	905.3	32.15	816.6
15218-XXX	15214-XXX	36.42	925	36.63	930.4	33.14	841.8
		37.40	950	37.61	955.3	34.12	866.6
		38.39	975	38.60	980.4	35.11	891.8
		39.37	1000	39.58	1005	36.09	916.7
		40.35	1025	40.56	1030	37.07	941.6
		41.34	1050	41.55	1055	38.06	966.7
		42.32	1075	42.53	1080	39.04	991.6



15245-X01



15255-X01

## Solid and Vented Shelves

1U x 19"W steel, shelf with adjustable depth rear mounting brackets; 17.68"W (449.1 mm). Supports 200 lb (90.7 kg) of equipment; includes assembly hardware.

Part Number	Shelf Depth in (mm)	Mounting Channel Depth in (mm)	Shipping Weight lb (kg)
<b>Solid Shelves</b>			
15245-X01	13.84 (351.5)	15.75 to 21.65 (400 to 550)	10 (4.5)
15245-X02	20.73 (526.5)	22.64 to 28.54 (575 to 725)	12 (5.4)
15245-X03	27.62 (701.6)	29.53 to 35.43 (750 to 900)	15 (6.8)
15245-X04	34.51 (876.6)	36.42 to 42.32 (925 to 1075)	18 (8.2)
<b>Vented Shelves</b>			
15255-X01	13.84 (351.5)	15.75 to 21.65 (400 to 550)	10 (4.5)
15255-X02	20.73 (526.5)	22.64 to 28.54 (575 to 725)	12 (5.4)
15255-X03	27.62 (701.6)	29.53 to 35.43 (750 to 900)	15 (6.8)
15255-X04	34.51 (876.6)	36.42 to 42.32 (925 to 1075)	18 (8.2)

X=Color; 1=Gray, 7=Black, E=Glacier White





15235-X01

## Adjustable 4-Post Rack Accessories Equipment Support Rail

Additional support for heavy rack-mount equipment. Attaches to the side of rack and provides a 1.5"W (38 mm) front-to-rear support surface for equipment. Supports 200 lb (90.7 kg) of equipment; includes hardware.



12700-X19

### Extra Heavy Duty Sliding Shelf

This 2U x 19"W sliding shelf with adjustable depth rear mounting brackets attaches to rack channels set 20.62"W to 32.48"D (525 to 825 mm). Solid surface is 15.5"W x 26"D (393.7 mm x 660 mm), extends 24" (609 mm) and locks in the open and closed positions. Supports 300 lb (136 kg) of equipment



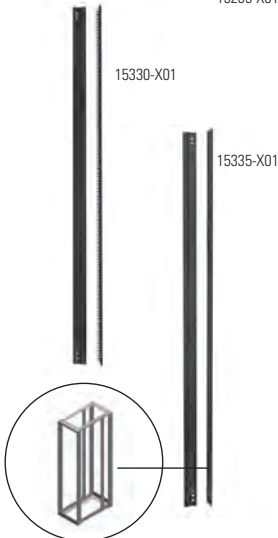
15205-X01

### Cable Runway Mounting Bracket

Aligns with the front, rear or side of the rack and supports 6"W to 24"W (150 mm to 600 mm) CPI Cable Runway. S-shaped, steel bracket measures 1.0"H x 3.3"W x 24.4"L (25 mm x 84 mm x 620 mm) and includes mounting hardware.

### Center Rail

Attach the rails at any point along the side of the rack for adjustable depth. Marked and numbered U spaces simplify equipment installation. Maximum mount depth is 6" (152 mm) less than the channel depth of the rack. 1000 lb (453.6) equipment load bearing capacity when used as an independent pair or rails; rack load remains 2000 lb (907.2) when Center Rail is used as the front or rear pair of four-point mounting solution.



15330-X01

15335-X01

Part Number	Description H x W Height - ft (m)	Shipping Weight lb (kg)
15235-X01	Equipment Rail, 15.75 to 19.69 (400 to 500) D	5 (2.3)
15235-X02	Equipment Rail, 20.67 to 24.61 (525 to 625) D	6 (2.7)
15235-X03	Equipment Rail, 25.59 to 29.53 (650 to 750) D	7 (3.2)
15235-X04	Equipment Rail, 30.51 to 34.45 (775 to 875) D	9 (4.1)
15235-X05	Equipment Rail, 35.43 to 39.37 (900 to 1000) D	10 (4.5)
15235-X06	Equipment Rail, 40.35 to 44.29 (1025 to 1125) D	12 (5.4)
12700-X19*	Extra Heavy Duty Sliding Shelf, 19"W	29 (13)
15205-X01	Cable Runway Mounting Bracket, for 6 to 24 (150 to 600) W Cable Runway	5 (2.3)
15330-X01	Center Rail, Square Punched, 38U, 72 (1800) H	20 (9.1)
15330-X03	Center Rail, Square Punched, 45U, 84 (2100) H	23 (10.4)
15330-X15	Center Rail, Square Punched, 51U, 96 (2400) H	26 (11.8)
15330-X08	Center Rail, Square Punched, 58U, 108 (2740) H	29 (13.2)
15335-X01	Center Rail, Threaded #12-24, 38U, 72 (1800) H	20 (9.1)
15335-X03	Center Rail, Threaded #12-24, 45U, 84 (2100) H	23 (10.4)
15335-X15	Center Rail, Threaded #12-24, 51U, 96 (2400) H	26 (11.8)
15335-X08	Center Rail, Threaded #12-24, 58U, 108 (2740) H	29 (13.2)

X=Color; 1=Gray, 7=Black, E=Glacier White

\*Not available in Clear.

## QuadraRack Server Frame

Designed specifically for rack-mount servers, the QuadraRack Server Frame offers the strength and stability of a cabinet, but in an open mounting system. Providing easy access for simplified installation and cabling, the QuadraRack Server Frame offers unrestricted airflow for improved cooling and heat dissipation. The unique, steel C-shaped channels with square holes and horizontal braces, were designed to provide optimal torsional strength. The horizontal braces are quick and easy to install with the supplied carriage bolts. Since rack-mount servers require various types of mounting screws, cage nuts provide the flexibility.

- 19" W EIA
- Manufactured from aluminum and steel
- Available in powder coat color finishes: Gray, Black or Glacier White
- EIA-310 Standard Universal 5/8" - 5/8" - 1/2" (15.9 mm - 15.9 mm - 12.7 mm) alternating hole pattern
- Square-punched mounting holes adapt with Klik-Nuts or cage nuts (listed below) to match equipment mounting requirements
- Top Extension Pan Set provides two 6" x 16" (150 mm x 410 mm) cable access ports
- Frame depth is 29" (740 mm) with overall depth of 41" (1040 mm) from edge-to-edge of base angles
- Load Rating: 1000 lb (453.6 kg) — weight must be evenly distributed, and rack must be properly secured to the floor

### QuadraRack Server Frame Kit includes:

- (4) Rack Channels
- (2) Base Angles
- (2) Top Angles
- (1) Extension Pan Set
- (8) Plate Nuts and Assembly Hardware
- (2) Horizontal Braces

Part Number	Description H x W x D Height - ft (m), Depth - in (mm)	Shipping Weight lb (kg)
15053-X03	7 (2.1) x 19 x 29 (740), 45U	77 (34.9)

X=color; 1=Gray, 7=Black, E=Glacier White

Square-Punched Hardware Kits (sold separately)				
Part Number	Nominal Size	Package Of	Finish	Shipping Weight lb (kg)
12637-001	M-6	25	Gold Over Zinc	1 (0.5)
12638-001	10-32	25	Zinc	1 (0.5)
12639-001	12-24	25	Black	1 (0.5)

Klik-Nut Hardware Kit			
Part Number	Thread Size	Package Of	Shipping Weight lb (kg)
76543-X01	M6 x 1.0	25	1 (0.5)
76544-X01	12-24	25	1 (0.5)
76545-X01	10-32	25	1 (0.5)

X=color: 0=Zinc, 7=Black Zinc



Steel Channels with square holes adapt to server mounting screws



Klik-Nut Hardware Kit, featuring a squeeze-and-release design, is available for square-punched rail options.



Not intended for rack-mount servers

HCAI-OPM-0260



## QuadraRack 4-Post Frame

The QuadraRack 4-Post Frame offers the strength and stability of a cabinet in an open mounting system. Enjoy easy equipment installation, along with unrestricted airflow for improved cooling and heat dissipation.

- 19" W EIA
- Manufactured from aluminum
- EIA-310 Standard Universal 5/8" - 5/8" - 1/2" (15.9 mm - 15.9 mm - 12.7 mm) alternating hole pattern, mounting holes are roll-formed #12-24
- Ships unassembled
- Load Rating: 2000 lb (907.2 kg) — weight must be evenly distributed, and rack must be properly secured to the floor

### QuadraRack 4-Post Frame Kit includes:

- (4) Rack Channels
- (2) Base Angles
- (2) Top Angles
- (1) Extension Pan Set
- (1) Bag of 100 Rack mounting screws — Pilot Point #12-24 with combination Phillips/Straight head

HCAI Preapproval of Manufacturer's Certification #: OPM-0260

Part Number	Description H x W x D Height - ft (m), Depth - in (mm)	Shipping Weight lb (kg)
50120-X03	7 (2.1) x 19 x 29 (740), 45U	65 (29.5)
50120-X15	8 (2.4) x 19 x 29 (740), 51U	67 (30.4)
50120-X08	9 (2.7) x 19 x 29 (740), 58U	69 (31.3)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

## ExpandARack

Convert a CPI two-post rack to a QuadraRack with ExpandARack.

Part Number	Description H x W x D Height - ft (m), Depth - in (mm)	Shipping Weight lb (kg)
<b>ExpandARack - Standard Rack</b>		
50110-X03	7 (2.1) x 19 x 29 (740), 45U	46 (20.9)
50110-X15	8 (2.4) x 19 x 29 (740), 51U	48 (21.8)
50110-X08	9 (2.7) x 19 x 29 (740), 58U	50 (22.7)
<b>ExpandARack - Universal Rack</b>		
50130-X03	7 (2.1) x 19 x 29 (740), 45U	52 (23.6)
50130-X15	8 (2.4) x 19 x 29 (740), 51U	55 (24.9)
50130-X08	9 (2.7) x 19 x 29 (740), 58U	58 (26.3)
<b>ExpandARack - Pan Set (W x D)</b>		
50150-X99	19 x 29 (740) — Standard Rack	18 (8.2)
50160-X99	19 x 29 (740) — Universal Rack	18 (8.2)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

1U



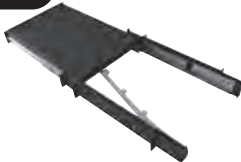
16351-X19

1U



16350-X19

2U



12700-X19

3U



16356-X19



16341-X19

## QuadraRack Accessories

### Heavy Duty Fixed Shelf - Solid

Specially designed for QuadraRack. 1U x 19"W x 29"D (740 mm) shelf. Supports up to 200 lb (90.7 kg).

### Heavy Duty Fixed Shelf - Vented

Specially designed for QuadraRack. 1U x 19"W x 29"D (740 mm) vented shelf that optimizes airflow. Supports up to 200 lb (90.7 kg).

### Extra Heavy Duty 4-Point Sliding Shelf

Specially designed to support heavy equipment. 2U x 19"W x 26"D (660 mm) sliding shelf, extends 24" (610 mm), adjusts between 20" and 34" (510 mm and 860 mm) mounting depth. Supports up to 300 lb (136.1 kg).

### Equipment Tie-Down Bracket

Prevents back-and-forth, side-to-side and up-and-down movement of shelf-mounted equipment. 3U x 19"W x 23"D (580 mm).

### Dust Cover

Improves the appearance of QuadraRack 4-Post Frame and prevents the accumulation of dust and debris at the base.

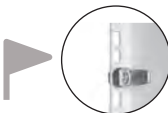
### Power Strips

Both horizontal and vertical power strips can be mounted to the QuadraRack. These solutions can be found in Section 7.

Part Number	Description H x W Height - ft (m)	Shipping Weight lb (kg)
16351-X19	Heavy Duty Fixed Shelf, Solid	11 (5.0)
16350-X19	Heavy Duty Fixed Shelf, Vented	11 (5.0)
12700-X19*	Extra Heavy Duty Sliding Shelf*	29 (13)
16342-X01	Rack Line-Up Spacer, Universal	1 (0.5)
16342-X02	Rack Line-Up Spacer, Standard	1 (0.5)
16356-X19	Equipment Tie-Down Bracket	4 (1.8)
16341-X19	Rack Base Dust Cover	4 (1.8)

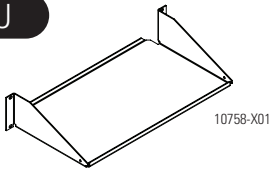
X=Color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

\*Not available in Clear.

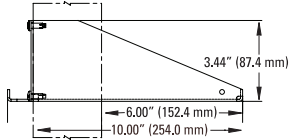


Klik-Nut® cage nuts make installation time quick and easy. Go to page 2-20 for ordering information.

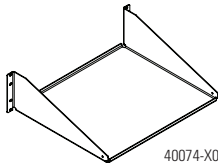
2U



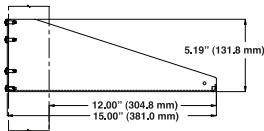
10758-X01



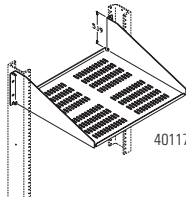
3U



40074-X00

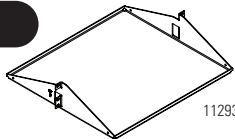


3U

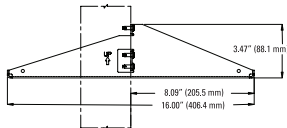


40117-X19

2U



11293-X19



## Shelves

### Small Peripheral Shelf

Designed to hold small peripheral equipment in a central location. Each shelf typically holds two units and allows a convenient cable run down the inside of the rack channel. Mounting hardware not included. 19" rack mountable, holds equipment up to 17.35"W x 9.82"D (440.7 mm x 249.4 mm). Made of strong, lightweight aluminum; supports up to 50 lb (22.7 kg).

### Single-Sided Shelf

A convenient 15"D (380 mm) mounting shelf for miscellaneous equipment, test gear, etc. Mounting hardware not included. 19" version holds equipment up to 17.25"W x 14.82"D (438.2 mm x 376.4 mm), 23" version holds equipment up to 21.25"W x 14.82"D (539.8 mm x 376.4 mm). Made of strong, lightweight aluminum; supports up to 50 lb (22.7 kg). 19" version is UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory.

### Single-Sided Vented Shelf

Supports routers, switches, CPUs or any equipment requiring bottom ventilation. Mounting hardware not included. 19" version holds equipment up to 17.25"W x 14.82"D (438.2 mm x 376.4 mm), 23" version holds equipment up to 21.25"W x 14.82"D (539.8 mm x 376.4 mm). Wall, backboard or rack mountable. Made of strong, lightweight aluminum with airflow perforations; supports up to 50 lb (22.7 kg).

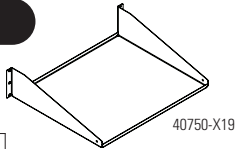
### 16"D (410 mm) Low-Profile Shelf

Reduced height design saves on valuable rack space. Center mount design is ideal for single sided racks, mounts to either front or back of rack channel face. Mounting hardware not included. 19"W version holds equipment up to 17.25"W x 15.82"D (438.2 mm x 401.8 mm), 23"W version holds equipment up to 21.25"W x 15.82"D (539.8 mm x 401.8 mm). Made of strong, lightweight aluminum; supports up to 40 lb (18.1 kg).

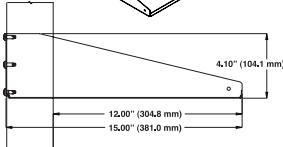
Part Number	Description	Shipping Weight lb (kg)
10758-X01	Small Peripheral Shelf, 19"W	5 (2.3)
40074-X00	Single-Sided Shelf, For 19" Rack	6 (2.7)
40075-X00	Single-Sided Shelf, For 23" Rack	7 (3.2)
40117-X19	Single-Sided Vented Shelf, For 19" Rack	6 (2.7)
40118-X23	Single-Sided Vented Shelf, For 23" Rack	7 (3.2)
11293-X19	Low-Profile Shelf, For 19" Rack	4 (1.8)
11293-X23	Low-Profile Shelf, For 23" Rack	5 (2.3)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

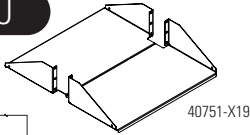
3U



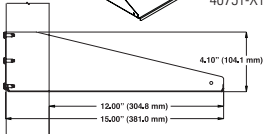
40750-X19



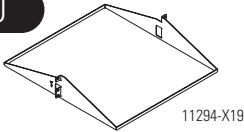
3U



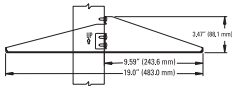
40751-X19



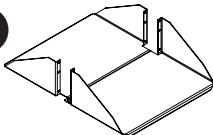
2U



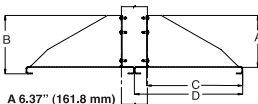
11294-X19



5U



11054-X19



A 6.37" (161.8 mm)  
 B 7.16" (181.9 mm)  
 C 11.53" (292.9 mm)  
 D 13.00" (330.2 mm)

## Shelves

### Standard Single-Sided Steel Shelf

Economical rack or wall-mounted shelf for miscellaneous equipment. Made of cold-rolled steel and may be rack or wall-mounted. 19" rack-mountable, holds equipment up to 17.25"W x 14.75"D (438.2 mm x 374.7 mm). Supports up to 35 lb (15.9 kg).

### Standard Double-Sided Steel Shelf

An economical rack or wall-mounted shelf with twice the shelf space for centered loading and deeper equipment handling. Made of cold-rolled steel, this shelf mounts on double-sided racks only. 19"W rack-mountable, holds equipment up to 17.25"W x 21.50"D (438.2 mm x 546.1 mm) and supports up to 25 lb (11.3 kg) per side or 50 lb (22.7 kg) total.

### 19"D (480 mm) Low-Profile Shelf

Reduced height design saves on valuable rack space. Mounts to either front or back of rack channel face. Mounting hardware not included. 19" version holds equipment up to 17.25"W x 18.82"D (438.2 mm x 478.0 mm), 23" version holds equipment up to 21.25"W x 18.82"D (539.8 mm x 478.0 mm). Made of strong, lightweight aluminum; supports up to 40 lb (18.1 kg).

### 26"D (660 mm) Shelf

Extra deep design is convenient for mounting large equipment requiring additional support. Will fit inside most CPI rack enclosures, except P/N 11058 or wall enclosure). Mounting hardware not included. 19" version holds equipment up to 17.75"W x 25.8"D (450.9 mm x 655.8 mm), 23" version holds equipment up to 21.75"W x 25.8"D (552.5 mm x 655.8 mm). Made of strong, lightweight aluminum; supports up to 150 lb (68.0 kg). 19" version is UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory.

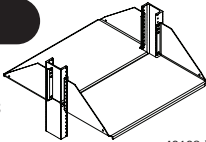
Part Number	Description	Shipping Weight lb (kg)
40750-X19*	Standard Single-Sided Steel Shelf	12 (5.4)
40751-X19*	Standard Double-Sided Steel Shelf	10 (4.5)
11294-X19	Low Profile Shelf, For 19" Rack	5 (2.3)
11294-X23	Low Profile Shelf, For 23" Rack	6 (2.7)
11054-X19	26"D (660 mm) Shelf, For 19" Rack	10 (4.5)
11054-X23	26"D (660 mm) Shelf, For 23" Rack	10 (4.5)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

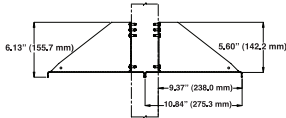
\*Shelves are not available in clear finish.



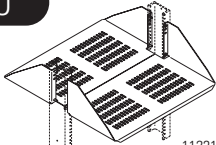
4U



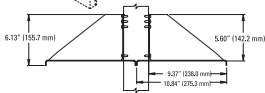
40108-X19



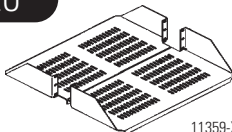
4U



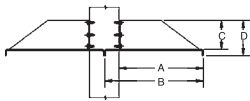
11231-X19



2U



11359-X19



- A 8.53" (216,7 mm)
- B 10,0" (254,0 mm)
- C 2.91" (73.9 mm)
- D 3.53" (89,7 mm)

## Shelves Double-Sided Shelf

Provides centered loading for deeper and heavier equipment. Mounts on 3"D (80 mm) double-sided racks only. Mounting hardware not included. 19" version holds equipment up to 17.75"W x 21.5"D (450.9 mm x 546.0 mm). 23" version holds equipment up to 21.75"W x 21.5"D (552.5 mm x 546.0 mm). Made of strong, lightweight aluminum; supports up to 100 lb (45.4 kg). 19" version is UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory.

## Double-Sided Vented Shelf

Convenient for mounting any equipment requiring bottom ventilation, airflow perforations for increased airflow around components. Mounting hardware not included. 19" version holds equipment up to 17.75"W x 21.5"D (450.9 mm x 546.0 mm). Made of strong, lightweight aluminum; supports up to 100 lb (45.4 kg).

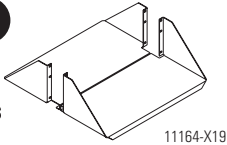
## Double-Sided Low-Profile Vented Shelf

Reduced height design saves valuable rack space and perforated shelf keeps equipment cool, includes bottom ventilation for enhanced airflow circulation. Mounting hardware not included. 19" version holds equipment up to 17.75"W x 19.8"D (450.9 mm x 503.4 mm). Mounts on 3"D (80 mm) double-sided racks only. Made of strong, lightweight aluminum; supports up to 60 lb (27.2 kg)

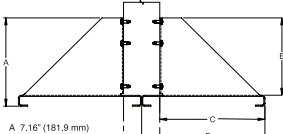
Part Number	Description	Shipping Weight lb (kg)
40108-X19	Double-Side Shelf, For 19" Rack	8 (3.6)
40108-X23	Double-Side Shelf, For 23" Rack	9 (4.1)
11231-X19	Double-Side Vented Shelf, For 19" Rack	8 (3.6)
11359-X19	Low-Profile Vented Shelf For 19" Rack	8 (3.6)
11359-X23	Low-Profile Vented Shelf For 23" Rack	9 (4.1)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

5U

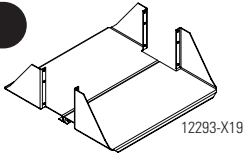


11164-X19

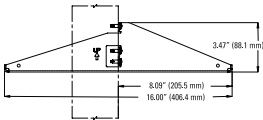


A 7.16" (181.9 mm)

5U



12293-X19

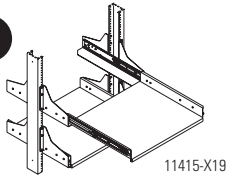


8.09" (206.3 mm)

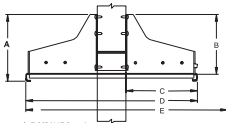
16.00" (406.4 mm)

3.47" (88.1 mm)

4U



11415-X19



A 7.20" (117.8 mm)  
 B 6.37" (162.8 mm)  
 C 7.48" (190.0 mm)  
 D 16.07" (407.2 mm)  
 E 34.62" (879.3 mm)

## Shelves

### Heavy Duty Equipment Shelf for 3" (80 mm) Channel

Convenient for mounting large equipment requiring additional support. Mounting hardware not included. 19" version holds equipment up to 17.75"W x 19.8"D (450.9 mm x 503.4 mm), 23" version holds equipment up to 21.75"W x 19.8"D (552.5 mm x 503.4 mm). Made of strong, lightweight aluminum; supports up to 200 lb (90.7 kg). 19" version is UL Listed: File E140851; Category DUXR (US), DUXR7 (Canada) – Communications Circuit Accessory.

### Heavy Duty Equipment Shelf for 6" (150 mm) Channel

This shelf is designed to hold heavy equipment requiring extra support. Fits Standard Rack 6"D (150 mm) and SeismicFrame® Two Post Rack. Mounting hardware not included. 19" version holds equipment up to 17.75"W x 19.8"D (450.9 mm x 503.4 mm). Made of strong, lightweight aluminum; supports up to 200 lb (90.7 kg).

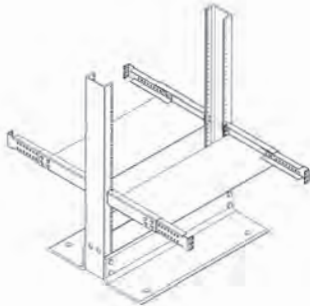
### Sliding Equipment Shelf

Provides a sliding shelf for front access to all equipment. Mounting hardware not included. 18"D (460 mm) shelf extends out an additional 16" (410 mm) from closed position. Lockable in fully extended and fully retracted positions. 19" version holds up to 16"W x 17.5"D (410 mm x 445 mm) equipment, 23" version holds up to 20"W x 17.5"D (510 mm x 445 mm) equipment. Mounts on 3"D (80 mm) double-sided racks only. Made of sturdy, lightweight aluminum; supports up to 100 lb (45.4 kg).

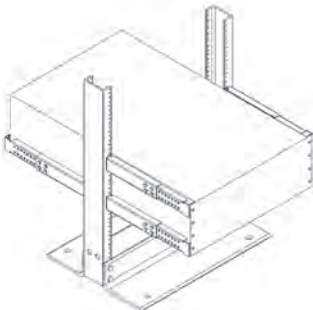
Part Number	Description	Shipping Weight lb (kg)
11164-X19	Heavy Duty Shelf for 3" (80 mm) Channel, For 19" Rack	8 (3.6)
11164-X23	Heavy Duty Shelf for 3" (80 mm) Channel, For 23" Rack	9 (4.1)
12293-X19	Heavy Duty Shelf for 6" (150 mm) Channel, For 19" Rack	10 (4.5)
11415-X19	Sliding Equipment Shelf, For 19" Rack	13 (5.9)
11415-X23	Sliding Equipment Shelf, For 23 Rack	13 (5.9)

X=Color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

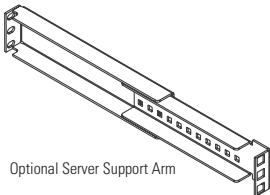




A split-pan design provides a broader surface area to support server weight



anyServer Bracket shown on rack with server and optional Server Support Arms



Optional Server Support Arm

## anyServer Bracket

The anyServer Bracket is a simple, yet sturdy solution to secure virtually any server to a 19" W, two-post open rack. It is the ideal, cost-effective system for retrofitting existing racks to accommodate one or more servers, instead of reverting to a four-post rack or cabinet system. The anyServer Bracket can be adjusted to fit all of your server's requirements, enabling you to keep the same mounting system, even if you change equipment in the future.

Purchase optional Supplementary Server Support Arms to firmly secure the tops of tall servers to the rack. In some instances, they can also help you mount your server if its captive screw holes are in the middle or top of the device.

The anyServer Bracket comes with front and rear steel pans and four steel adjustable arms (with mounting hardware).

- Manufactured from cold rolled steel
- The server can be positioned 9" to 13" (230 mm to 330 mm) in front of the rack channel; mounting arms extend 4" (100 mm) total in .5" (10 mm) increments
- Square holes at the front of adjustable mounting arms for Clik-Nuts or cage nuts (sold separately)
- Acorn nuts eliminate sharp edges
- Supplementary arms (purchased separately) provide extra support
- Load rating:
  - 1U bracket is 80 lb (36.3 kg)
  - 2U bracket is 120 lb (54.4 kg)
- Rack mounting hardware is not included

Part Number	Description	Shipping Weight lb (kg)
12751-719	1U x 19, Black Bracket	11 (5.0)
12752-719	2U x 19, Black Bracket	14 (6.4)
12759-701	Supplementary Server Support Arms, Fixed, 1 Pair, 1U, Black	3 (1.4)

### Square-Punched Hardware Kits (sold separately)

Part Number	Nominal Size	Package Of	Finish	Shipping Weight lb (kg)
12637-001	M-6	25	Gold Over Zinc	1 (0.5)
12638-001	10-32	25	Zinc	1 (0.5)
12639-001	12-24	25	Black	1 (0.5)

## Lockable Storage Drawer

CPI's improved Lockable Storage Drawer keeps backup media, software, manuals, laptops, test equipment and extra patch cords in close proximity to where they are typically used within a rack or cabinet.

Lockable Storage Drawer is available for 19"W or 23"W racks and cabinets. It includes attachment brackets that allow center mounting on two-post racks with 3" or 6"D (80 mm or 150 mm) equipment channels, or front and rear attachment to four-post racks and cabinet systems with mounting rails that are adjusted between 24" and 39"D (610 mm and 990 mm).

- Attaches to any CPI free-standing 19"W or 23"W rack or cabinet system
- Available in three heights: 2U, 3U and 4U
- Features 20"D (510 mm) lockable drawer that extends full-depth for easy access to stored equipment
- Redesigned to allow for stackable units
- Supports a 100 lb (45.4 kg) load (drawer and top surface combined)



Drawer with two-post mounting brackets

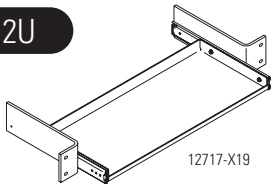


Drawer with four-post mounting brackets

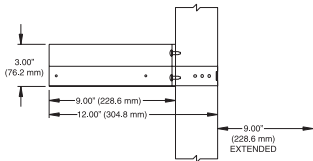
Part Number	Description	Shipping Weight lb (kg)
<b>19" Rack or Cabinet Mount - Depth - in (mm)</b>		
13082-X19	2U Drawer, 20 (510)	18 (8.2)
13083-X19	3U Drawer, 20 (510)	20 (9.1)
13084-X19	4U Drawer, 20 (510)	22 (10.0)
<b>23" Rack or Cabinet Mount - Depth - in (mm)</b>		
13082-X23	2U Drawer, 20 (510)	21 (9.5)
13083-X23	3U Drawer, 20 (510)	23 (10.4)
13084-X23	4U Drawer, 20 (510)	25 (11.3)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

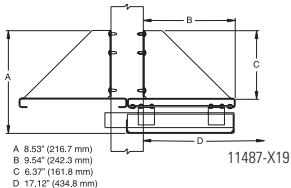
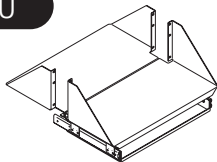
2U



12717-X19



6U



11487-X19

## Flush Mounted Keyboard Tray

Provides retractable rack-mounting tray for most keyboards up to 8.5"D (216 mm). Mounting hardware not included. Extends 8" (200 mm), giving full access to keyboard. Retracts when not in use. 19" version holds up to 16.1"W (409 mm) keyboards. Made of strong, lightweight aluminum. This tray does not support the mouse pad attachment.

## CPU/Monitor Shelf with Single Sliding Keyboard Tray

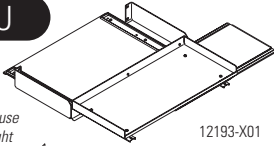
Provides convenient mounting of CPU or monitor and keyboard. Mounting hardware not included. Keyboard tray extends 8.6" (218 mm), 19"W rack trays must use small footprint keyboard; maximum width 16.30" (414 mm). 19" holds equipment up to 17.75"W x 19.82"D (450.9 mm x 503.4 mm), 23" holds equipment up to 21.75"W x 19.82"D (552.5 mm x 503.4 mm). Made of strong, lightweight aluminum; supports up to 200 lb (90.7 kg).

Part Number	Description	Shipping Weight lb (kg)
12717-X19*	Flush Mount Keyboard Tray, For 19" Racks	8 (3.6)
11487-X19	Monitor Shelf, Single Tray, For 19" Rack	12 (5.4)
11487-X23	Monitor Shelf, Single Tray, For 23" Rack	12 (5.4)

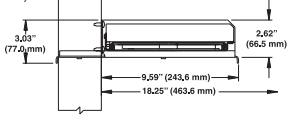
X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

\*19" rack tray must use small footprint keyboard.

2U



Note: Mouse pad on right side only

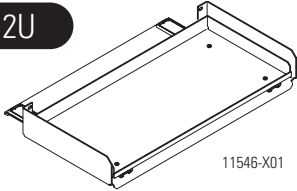


12193-X01

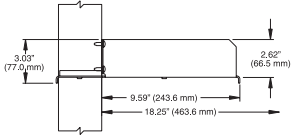
## 19" Full Size Sliding Keyboard & Mouse Tray

Holds full size keyboard and mouse. Slide is mounted under shelf to provide maximum tray width. Mounting hardware not included. Mouse pad tray is 10"W x 8"D (250 mm x 200 mm) and retracts out of the way when not in use. Fits up to 19.25"W x 9"D (489 mm x 230 mm) keyboards. Extends approximately 9" (230 mm) for full access to keyboard. Made of strong, lightweight aluminum.

2U



11546-X01



## 19" Full Size Sliding Keyboard Tray

Tray holds full size keyboard with slide mounted under shelf to provide maximum tray width. Mounting hardware not included. Extends approximately 9" (230 mm) for full access to keyboard. Fits up to 19.25"W x 9"D (489 mm x 230 mm) keyboards. Made of strong, lightweight aluminum.

Note: Does not support the mouse pad attachment.

Part Number	Description	Shipping Weight lb (kg)
12193-X01*	19" Sliding Keyboard Tray	9 (4.1)
11546-X01	19" Full Size Keyboard Tray	9 (4.1)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

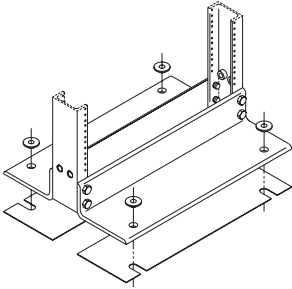
\*Also available, Mouse Pad Attachment (P/N 11692-XXX) and 23" Wrist Rest Attachment (P/N 12306-XXX).

### Rack Base Insulator Kit

Rack Base Insulator Kits electrically isolate the racks from the floor for an effective grounding and bonding system.

Kit consists of:

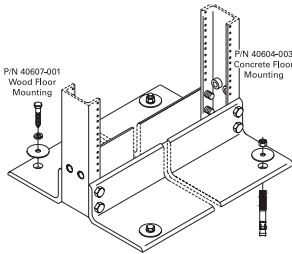
- (2) isolation plates; (4) isolation grommets



Part Number	Description	Shipping Weight lb (kg)
10605-019	Insulator Kit, 19" Rack	3 (1.4)
10605-023	Insulator Kit, 23" Rack	3 (1.4)

### Rack and Frame Installation Kits

Required hardware for securing equipment racks and frames to both concrete and wood floors. Concrete Kit has four 3/8" thread components or four 1/2" thread components. Wood kit has four 3/8" thread components.



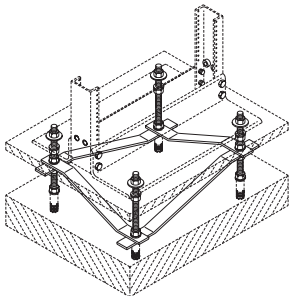
Part Number	Floor Type	Finish	Shipping Weight lb (kg)
40604-001	Concrete Floor, 3/8"	Zinc	1 (0.5)
40604-003	Concrete Floor, 1/2"	Zinc	1 (0.5)
40607-001	Wood Floor, 3/8"	Zinc	1 (0.5)

### Raised Floor Rack Support Kit

Support racks installed on 4" to 36" (100 mm to 910 mm) height raised floor support systems. Mounted base floor using 5/8" threaded rods and steel brackets.

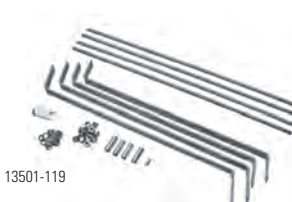
Kits consists of:

- (4) pre-cut threaded rods; (4) "Z" brackets; All mounting hardware

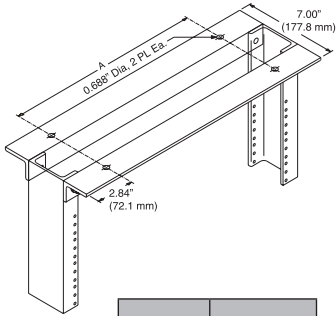


Rack with 3"(80 mm) channel shown

19" Rack	23" Rack	Height of Floor in (mm)	Shipping Weight lb (kg)
<b>3" (80 mm) Rack Channel</b>			
10632-119	10632-123	4 to 10 (100 to 250)	15 (6.8)
10629-119	10629-123	10 to 16 (250 to 410)	18 (8.2)
10630-119	10630-123	16 to 22 (410 to 560)	20 (9.1)
10631-119	10631-123	22 to 28 (560 to 710)	23 (10.4)
13501-119	13501-123	30 to 36 (760 to 910)	34 (15.4)
<b>6" (150 mm) Rack Channel</b>			
11760-119	11760-123	4 to 10 (100 to 250)	15 (6.8)
11761-119	11761-123	10 to 16 (250 to 410)	18 (8.2)
11762-119	11762-123	16 to 22 (410 to 560)	21 (9.5)
11763-119	11763-123	22 to 28 (560 to 710)	24 (10.9)
13515-119	13515-123	30 to 36 (760 to 910)	34 (15.4)



13501-119



Rack Width	A in (mm)
19"	14.57 (370.1)
23"	18.57 (471.1)

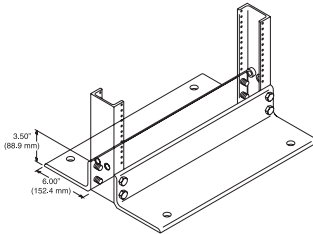
## Heavy-Duty Top Angle

Optional top angle for CPI Universal, Standard or 6"D (150 mm) Standard Racks.

- Material is aluminum extrusion, 1 1/2" x 2" x 1/4" (38.1 mm x 51 mm x 6.4 mm) with two 11/16" (17.46 mm) punched holes in top surface
- Recommended to be used in pairs with 10562-001 bracing
- Sold individually

Part Number			
19" Rack	Dim. A	23" Rack	Dim. A
10473-X01	14.57 (370.1)	10473-X02	18.57 (471.7)

X=color; 1=Gray, 5=Clear, 7=Black, E=Glacier White



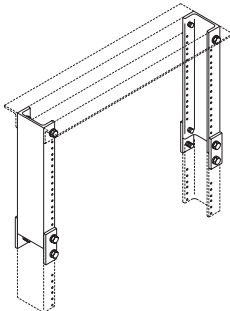
## Base Angle

Optional base angle for CPI Universal Racks.

- Material is aluminum extrusion 3-1/2" x 6" x 3/8" (89 mm x 150 mm x 9.53 mm)
- Sold individually

Part Number	Description	Shipping Weight lb (kg)
41021-X01	For 19" Rack	10 (4.5)
41021-X02	For 23" Rack	10 (4.5)

X=color; 1=Gray, 5=Clear, 7=Black, E=Glacier White



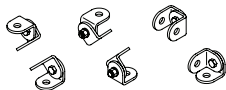
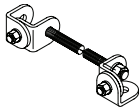
## Rack Extension Kit

Provides additional height to existing racks. Kit includes one pair of rack channels, four plates and assembly hardware.

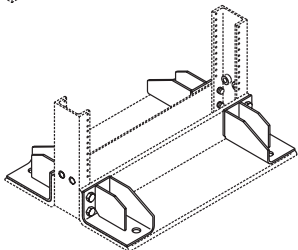
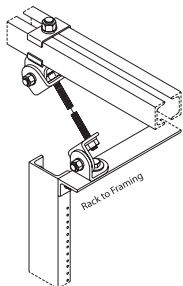
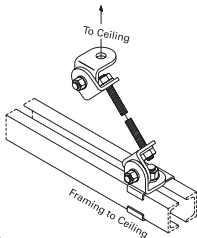
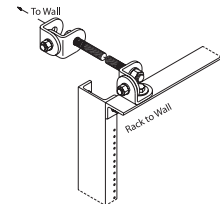
- Universal 5/8" - 5/8" - 1/2" (15.9 mm - 15.9 mm - 12.7 mm) hole pattern

Part Number	Description	Shipping Weight lb (kg)
10565-X12	12"H (300 mm), 4U	4 (1.8)
10565-X24	24"H (610 mm), 11U	6 (2.7)

X=color; 1=Gray, 5=Clear, 7=Black, E=Glacier White



**Installation Drawings:**



**Universal Earthquake Bracing Kit**

This adjustable wall/ceiling brace provides a means of securing an equipment rack or auxiliary frame to meet earthquake safety codes.

- Material is 2" x 1/4" (50 mm x 6.35 mm) steel finished with Gold Chem Film over zinc plating

**Kit consists of:**

- (4) brackets (make 2 swivel brackets)
- (2) 1/2-13 x 1 1/4" hex bolts
- (2) 1/2-13 hex nuts
- (2) 1/2" split lock washers

Part Number	Description	Shipping Weight lb (kg)
10562-001	Universal Earthquake Bracing Kit	3 (1.4)

*Note: Seismic installation requirements should be approved by a licensed structural engineer.*

**Installation will require (not included):**

- (1) 5/8-11 threaded rod of appropriate length  
Rod must be trimmed to proper length during installation
- (2) 5/8-11 hex nuts
- (2) 5/8 flat Type A washer, wide
- Clip kit and hardware for attachment to channel or bar

**Installation may also require (not included):**

**For concrete ceiling:**

- (1) 5/8-11 concrete anchor
- (1) 5/8-11 x 3" stud
- (2) 5/8-11 hex nuts
- (1) 5/8" split lock washer
- (1) 5/8" flat, washer, wide, Type A

**For auxiliary frame or grid:**

- (1) Grid Clamp Kit
- (1) 5/8-11 x 3 1/4" hex screw cap
- (1) 5/8-11 hex nut
- (1) 5/8" split lock washer

**For rack:**

- (1) 5/8-11 x 1 1/4" hex cap screw
- (1) 5/8-11 hex nut
- (1) 5/8" split lock washer

**For plywood backboard:**

- (1) 5/8" x 2" hex lag screw
- (1) 5/8" split lock washer

**Rack Seismic Gusset Kit**

The Rack Seismic Gusset and Hardware Kit can be added to any CPI Universal Rack (46XX series) to stiffen critical load bearing joints, reducing the need to stabilize the top of the rack.

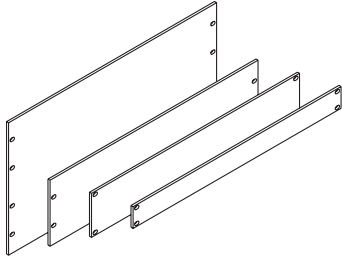
- Adds additional support to critical rack joints
- Kit can be added to any CPI Universal Rack (46XXX series)

**Kit consists of:**

- (4) welded steel bolt-on gussets
- (8) 1/2-13 x 1-1/4" bolts
- (8) 1/2-13 nuts

Part Number	Description	Shipping Weight lb (kg)
11592-X01	Gusset and Hardware Kit	10 (4.5)

*X=Color, 1=Gray, 7=Black Note: Seismic installation requirements should be approved by a licensed structural engineer.*



## Filler Panels

For airflow control and/or equipment mounting, fill empty spaces between mounted equipment.

Filler Panels	
300	Filler Panels

	Thickness - in (mm)	Width
24	3/16 (4.763)	19"
25	3/16 (4.763)	23"
26	1/8 (3.18)	19"
27	1/8 (3.18)	23"

Color	
1	Gray
5	Clear
7	Black
E	Glacier White

	Spaces - in (mm)	U
01	1.72 (43.7)	1
02	3.47 (88.1)	2
03	5.22 (132.6)	3
04	6.97 (177.0)	4
05	8.72 (221.5)	5
06	10.47 (265.9)	6
07	12.22 (310.4)	7
08	13.97 (354.8)	8
09	15.72 (399.3)	9
10	17.47 (443.7)	10
11	19.22 (488.2)	11
12	20.97 (532.6)	12

300	XX	-	X	XX
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12 oz (340 g)  
pressurized can



25401-X00

## Touch-Up Paint

Air dry lacquer for touching up finish. Matches color and gloss of CPI's textured paint. Air dries to hard finish in minutes.

- 12-ounce (340 g) pressurized can Note: Cannot be shipped via air.

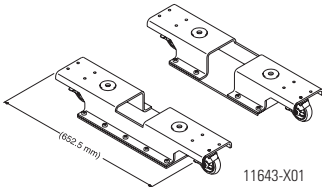
Air dry waterborne paint for touching up finish. Matches color and gloss of CPI's textured paint.

- 1-ounce (30 g) bottle with applicator

Part Number	Description oz (g)	Shipping Weight lb (kg)
25400-X00	12 (340) Can	2 (0.9)
25401-X00	1 (30) Bottle	1 (0.5)

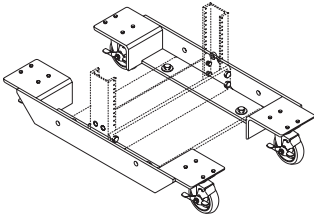
X=Color, 1=Gray, 7=Black, E=Glacier White.





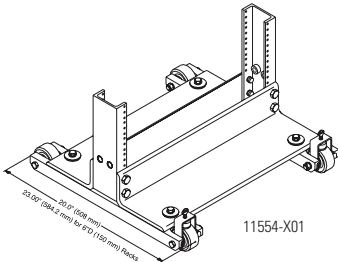
11643-X01

*Note: Vertical cabling sections cannot be used on dolly-equipped racks. Also, dolly will not fit 6"D (150 mm) Standard Rack.*



10175-X00

*Note: Vertical cabling sections cannot be used on dolly-mounted racks. Can be used with Universal, 3"D (80 mm) Standard or 6"D (150 mm) Standard Racks.*



11554-X01

## Mid-Size Rack Dolly

Full swivel capability allows rack to be easily moved, providing access to equipment. The front wheel locks to prevent unintentional movement. Mounts to most CPI Universal and Standard Racks and adds 1-1/4" (31.8 mm) to rack's height. Two-piece construction of 1/4" (6.4 mm) aluminum complete with hardware. Sold in pairs; load capacity 750 lb (340.2 kg).

## Rack Universal Dolly Wheels

Allows rack to be moved, providing access to equipment. Wheels may be locked to prevent moving during assembly stages. Holds any width CPI Universal or Standard Rack. Two-piece construction of 3/8" (9.53 mm) aluminum complete with rack-mounting hardware. Supports up to 1000 lb (453.6 kg).

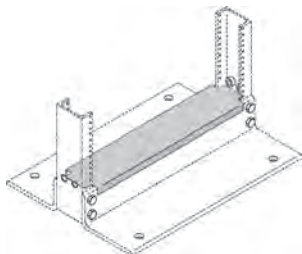
*Note: Not to be used with enclosures.*

## Rack Standard Rollers

Mount to CPI Universal and Standard Racks, regardless of width. Fixed rollers prevent rack from accidental turning. Adds 2" (50 mm) to rack's height. Ships complete with installation hardware. Supports up to 500 lb (226.8 kg).

Part Number	Description	Shipping Weight lb (kg)
11643-X01	Mid-Size Rack Dolly	24 (10.9)
10175-X00	Universal Dolly Wheels	20 (9.1)
11554-X01	Rack Standard Rollers, For 3"D (80 mm) Rack Channel	8 (3.6)
11554-X03	Rack Standard Rollers, For 6"D (150 mm) Rack Channel	8 (3.6)

*X=color: 1=Gray, 5=Clear, 7=Black*



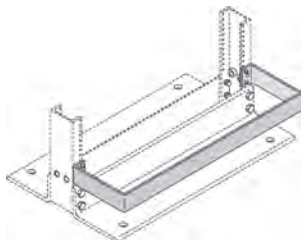
### Rack Base Dust Cover

Improves appearance and prevents the accumulation of dust and debris at the rack base. Snaps securely in place over the base assembly; no mounting hardware necessary. Made of lightweight aluminum.

- For CPI Racks with 3”D or 6”D (80 mm or 150 mm) channel

Part Number			Description in (mm)
19” Rack	23” Rack	35” Rack	
41050-X19	41050-X23	N/A	3 (80) Rack Channel
42050-X19	42050-X23	42050-X35	6 (150) Rack Channel

X=color: 1=Gray,, 5=Clear, 7=Black, E=Glacier White

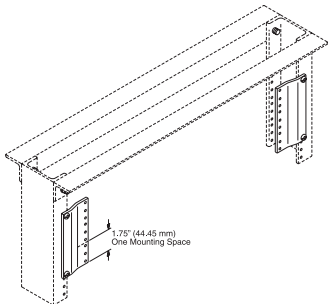


### Equipment Guard Rail

Provides protection for equipment in racks from rolling gear or tool boxes.

- Made of 1/4” x 2” (6.4 mm x 50 mm) aluminum bar
- Mounting hardware is included; sold individually

400	Equipment Guard Rails			
	<b>Stand Off - in (mm)</b>			
	56	7 (180)		
	57	6.5 (165)		
	58	5.25 (133.4)		
	59	4.25 (108)		
	<b>Color</b>			
	1	Gray		
	5	Clear		
	7	Black		
	E	Glacier White		
	<b>Width</b>			
	19	19” Rack		
	23	23” Rack		
400	XX	-	X	XX



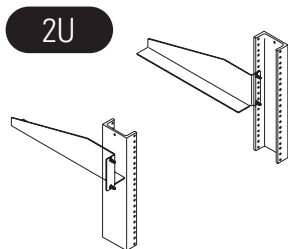
### Rack Panel Adapters (Pair)

Allows 19"W equipment to be mounted on a 23"W rack.

- Universal 5/8" - 5/8"-1/2" (15.9 mm - 15.9 mm - 12.7 mm)
- Joggled so that installed panels fit flush

Part Number	Description	Shipping Weight lb (kg)
31410-X00	Adapter, Pair, 1U, 1.71 (43.4)	1 (0.5)
31420-X00	Adapter, Pair, 2U, 3.46 (87.9)	1 (0.5)
31430-X00	Adapter, Pair, 3U, 5.21 (132.3)	1 (0.5)
31440-X00	Adapter, Pair, 4U, 6.96 (176.8)	1 (0.5)
31450-X00	Adapter, Pair, 5U, 8.71 (221.2)	1 (0.5)

X=Color: 1=Gray, 5=Clear, 7=Black, E=Glacier White



Sold in pairs. Attachment hardware not included.

### Equipment Support Bracket

Equipment Support Bracket mounts to the rear rails to provide additional support and safety for deep or heavy electronic equipment panels and equipment mounted on CPI racks or cabinets.

- Supports equipment weighing up to 60 lbs (27.2 kg)
- Made of strong, lightweight aluminum
- Overall depth is 13" (330 mm); chassis support lip is 1.5"W (38 mm)
- Fits all EIA Standard, hole-patterned equipment mounting rails, cabinets and four-post racks
- Eliminates equipment deflection caused by cantilevered mounting

Part Number	Description	Shipping Weight lb (kg)
12312-X01	Pair of Brackets	2 (0.9)

X=Color: 1=Gray, 5=Clear, 7=Black, E=Glacier White



### RMU Label Kits

Easy-to-read numbers take the guesswork out of aligning components.

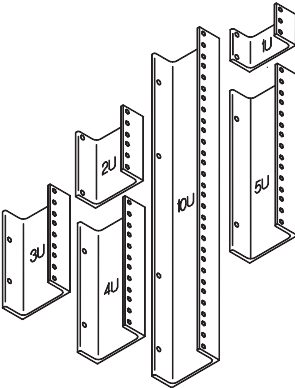
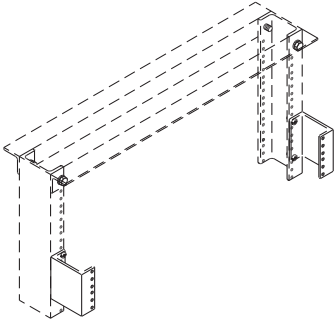
- Two kits are available: 1-45U for 7" (2.1 m) racks and cabinets and 1-58U for 8' or 9' (2.4 m or 2.7 m) racks and cabinets
- Kit contains four individual label packs, enough for four racks or four cabinets
- Labels are constructed of 1/2"W (10 mm) durable polyester film with adhesive backing and are Black with U numbers printed in White

Part Number	Description	Shipping Weight lb (kg)
11927-001	1-45U Label	1 (0.5)
11927-002	1-58U Label	1 (0.5)

## Rack Channel Standoffs

Rack Channel Standoffs offer solutions to many electronic component positioning problems, including:

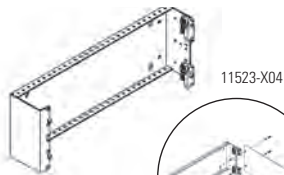
- Adding deeper electronic components to existing CPI Wall Racks, Heavy Duty Wall Racks, Universal Swing Gate Wall Racks, Standard Swing Gate Wall Rack or Self-Support Racks
- Providing improved patch panel cable transitions when a double-sided cabling section is used with a 3"(80 mm) Rack Channel; use 1-1/2" (38 mm) Rack Channel Standoff
- Reposition rack-mounted electronic components to redistribute component weight or to realign component for whatever reason
- Available in three depths and six heights
- Packaged one pair per box



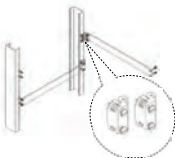
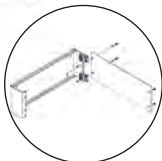
Front of channel tapped with #12-24 threaded holes, EIA 310 Universal holes spacing

Part Number	Overall Height	Mounting Holes	Shipping Weight lb (kg)
<b>3" (80 mm) Rack Channel / 3" Depth (80 mm)</b>			
12309-X01	1U	3	1 (0.5)
12309-X02	2U	6	1 (0.5)
12309-X03	3U	9	2 (0.9)
12309-X04	4U	12	2 (0.9)
12309-X05	5U	15	2 (0.9)
12309-X10	10U	30	4 (1.8)
<b>3" (80 mm) Rack Channel / 6" Depth (150 mm)</b>			
12310-X01	1U	3	1 (0.5)
12310-X02	2U	6	1 (0.5)
12310-X03	3U	9	2 (0.9)
12310-X04	4U	12	2 (0.9)
12310-X05	5U	15	2 (0.9)
12310-X10	10U	30	4 (1.8)
<b>3" (80 mm) Rack Channel / 1-1/2" Depth (38 mm)</b>			
12311-X01	1U	3	1 (0.5)
12311-X02	2U	6	1 (0.5)
12311-X03	3U	9	2 (0.9)
12311-X04	4U	12	2 (0.9)
12311-X05	5U	15	2 (0.9)
12311-X10	10U	30	4 (1.8)

X=Color: 1=Gray, 5=Clear, 7=Black, E=Glacier White



11523-X04



11520-00  
Frame and Panel  
not included.

## Hinged Panel Mounting Bracket

Provides easy access to back of wall or rack-mounted panels.

- Can be mounted to open left or right
- Available in 2, 3, 4, 5 or 6 mounting space, 1.75" H (44.45 mm), 4" or 8" D (100 mm or 200 mm) and 19" W
- Mounting hardware not included; supports up to 30 lb (13.6 kg) load

Part Number	Description	Shipping Weight lb (kg)
11521-X04	3.50 (88.9), 2U High, 4 (100) Deep	2 (0.9)
11522-X04	5.25 (133.4), 3U High, 4 (100) Deep	2 (0.9)
11523-X04	7.00 (177.8), 4U High, 4 (100) Deep	2 (0.9)
11524-X04	8.75 (222.3), 5U High, 4 (100) Deep	2 (0.9)
11525-X04	10.5 (267.0), 6U High, 4 (100) Deep	2 (0.9)
11520-001	Hinges, Pair	1 (0.5)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White  
Also available in 8" D (200 mm), (-X08).



30015-X00



30016-X00



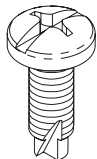
## Block Mounting Bar, Rack-Mounted

For mounting terminal blocks, card files and other equipment on 19" and 23" racks.

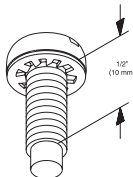
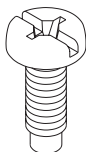
- Angle mounting bars are 1/8" (3.18 mm) cold-rolled steel
- T-mounting bars are 1/8" (3.18 mm) extruded aluminum
- Hole patterns are 12-24 tapped on 7/16" (11.113 mm) centers
- Supports 66/89 Blocks; sold individually

Part Number	Description	Shipping Weight lb (kg)
30013-X00	19" Angle	2 (0.9)
30014-X00	23" Angle	2 (0.9)
30015-X00	19" T-Bar	2 (0.9)
30016-X00	23" T-Bar	2 (0.9)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White



40605-00X



40606-001

## Combination Pan Head, Pilot Point, Mounting Screws

- Available in choice of Zinc plated or Black finish in packages of 50 and 1000
- The 40606 Combination Pan Head, Pilot Point, Sems Mounting Screws are similar to the 40605, except includes captive lock washer; Zinc plated finish

Part Number	Nominal Size	Package	Of	Shipping Weight lb (kg)
40605-001	12-24	50		1 (0.5)
40605-004	12-24	1000		9 (4.1)
40605-005	12-24 (Black)	50		1 (0.5)
40605-006	12-24 (Black)	1000		9 (4.1)
40606-001	12-24	50		1 (0.5)



## Heavy-Duty Wall-Mount Equipment Rack

Use the Heavy Duty Wall-Mount Equipment Rack to hold up to 350 lb (158.8 kg). The 24"D (610 mm) allows larger equipment to be wall-mounted. Quick and easy assembly has been engineered in to save you valuable installation time. Includes assembly hardware and mounting 1/4" x 2" lag bolts. Sold individually.

- 12-24 roll-formed threads on 5/8"-5/8"-1/2" (15.9 mm -15.9 mm -12.7 mm) spacing, both sides
- U spaces are marked and numbered
- Made of high-strength, lightweight aluminum
- Includes (50) #12-24 mounting screws. Black painted racks ship with black screws; other racks ship with zinc screws
- Holds up to 350 lb (158.8 kg) when securely mounted to wall or backboard

Heavy-Duty Wall-Mount Equipment Rack							
Part Number	Height	Width	Depth	Height	Width	Depth	Shipping Weight lb (kg)
	Usable Dimensions			Overall Dimensions			
15320-X18	20U	19"EIA	18 (457)	41.2 (1046)	23.0 (584)	18.0 (457)	22 (10.0)
15320-X24	20U	19"EIA	24 (610)	41.2 (1046)	23.0 (584)	24.0 (610)	27 (12.2)
15321-X18	40U	19"EIA	18 (457)	76.2 (1935)	23.0 (584)	18.0 (457)	28 (12.7)
15321-X24	40U	19"EIA	24 (610)	76.2 (1935)	23.0 (584)	24.0 (610)	32 (14.5)
15322-X18	20U	23"	18 (457)	41.2 (1046)	27.0 (686)	18.0 (457)	23 (10.4)
15322-X24	20U	23"	24 (610)	41.2 (1046)	27.0 (686)	24.0 (610)	29 (13.2)
15323-X18	40U	23"	18 (457)	76.2 (1935)	27.0 (686)	18.0 (457)	29 (13.2)
15323-X24	40U	23"	24 (610)	76.2 (1935)	27.0 (686)	24.0 (610)	34 (15.4)

X=Color: 1=Gray, 5=Clear, 7=Black, E=Glacier White



11583-XXX

## Flush-Mounted Wall Bracket

Use the Flush-Mounted Wall Bracket to mount up to 6U of rack-mounted equipment, vertically, and flush to a wall. Ideal for areas where space is limited. The bracket has square-punched mounting rails and includes a pack of 25 Clik-Nut. Supports 150 lb (68 kg). Wall mounting hardware not included.

Part Number	Description
11583-X19	3U x 19", Flush-Mounted Bracket
11754-X19	6U x 19", Flush-Mounted Bracket

X=Color: 1=Gray, 7=Black, E=Glacier White



11754-XXX



*Ships flat*



## EasySwing Wall-Mount Rack

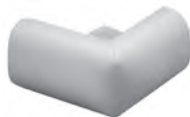
The EasySwing Wall-Mount Rack is a cost-effective 19" EIA swing gate rack for mounting network, communications and security equipment in a telecommunications or equipment room where floor space is limited.

- Opens 180° to right or left, locking latch pin secures gate in closed position. Includes lanyard for attachment to rack
- 19" EIA threaded equipment mounting rails
- Includes reusable cable management straps
- Durable all-steel construction
- Ships fully assembled and flat; simply unfold and mount to wall
- Keyhole wall mounting holes with mounting template included on carton
- Includes (12) #12-24 equipment mounting screws. Order 1/4" installation hardware separately
- Supports 85 lb (38.6 kg) of equipment

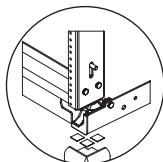
Easy Swing Wall-Mount Rack								
Part Number	Height	Width	Depth	Usable Dimensions		Overall Dimensions		Shipping Weight lb (kg)
				Height	Width	Depth	Depth	
13602-X08	11U	19"EIA	6.5 (165)	24.5 (622)	20.3 (516)	8.0 (204)	22 (10.0)	
13602-X12	11U	19"EIA	10.5 (266)	24.5 (622)	20.3 (516)	12.0 (305)	24 (10.9)	
13602-X18	11U	19"EIA	16.5 (419)	24.5 (622)	20.3 (516)	18.0 (457)	28 (12.7)	
13602-X25	11U	19"EIA	23.5 (596)	24.5 (622)	20.3 (516)	25.0 (635)	34 (15.4)	
13604-X08	19U	19"EIA	6.5 (165)	38.5 (978)	20.3 (516)	8.0 (204)	27 (12.2)	
13604-X12	19U	19"EIA	10.5 (266)	38.5 (978)	20.3 (516)	12.0 (305)	29 (13.2)	
13604-X18	19U	19"EIA	16.5 (419)	38.5 (978)	20.3 (516)	18.0 (457)	33 (15.0)	
13604-X25	19U	19"EIA	23.5 (596)	38.5 (978)	20.3 (516)	25.0 (635)	38 (17.2)	
13608-X12	26U	19"EIA	10.5 (266)	51.5 (1308)	20.3 (516)	12.0 (305)	33 (15.0)	
13608-X18	26U	19"EIA	16.5 (419)	51.5 (1308)	20.3 (516)	18.0 (457)	37 (16.8)	

*X-color: 1=Gray, 7=Black, E=Glacier White*

*Note: Usable depth is reduced at the top and bottom 2U on -X08 and -X12 models and at the top and bottom 3U on -X18 and -X25 models. For planning purposes, reduce usable depth by 75% and 50% on the top and bottom 2U of -X08 and -X12 racks. Reduce usable depth by 80%, 50% and 25% on the top and bottom 3U of -X18 and -X25 racks.*



*Includes double-sided adhesive squares for easy installation*



## Corner Cushions

Since wall racks are elevated above the floor and extend away from the wall, bumping into the rack is a safety concern. Corner Cushions cover the exposed leading edges of racks for added protection.

- Flame retardant, non-toxic
- Foam design conforms to ASTM standards for safety surfacing material

Part Number	Description	Shipping Weight lb (kg)
12858-001	Corner Cushions, Set of 4	1 (0.5)



## Standard Swing Gate Wall Rack

The Standard Swing Gate Wall Rack provides easy access to the rear of equipment, making it the ideal choice for supporting patch panels and switches.

- Dual hinges open to right or left, stopping in 90° position
- EIA-310 compliant
- Universal 5/8"-5/8"-1/2" (15.9 mm -15.9 mm -12.7 mm) alternating hole pattern
- Rack-mount spaces are marked and numbered
- Includes (50) #12-24 mounting screws.
- Supports 100 lb (45.4 kg) of equipment in the open and closed position
- Load capacity can be increased to 150 lb (68 kg) with optional Heavy Duty Kit
- Supports single-sided and double-side shelves
- Ships partially assembled with installation hardware

Standard Swing Gate Wall Rack							
Part Number	Height	Width	Depth	Height	Width	Depth	Shipping Weight lb (kg)
	Usable Dimensions			Overall Dimensions			
11790-X12	12U	19"EIA	11 (280)	29.1 (739)	21.7 (551)	12.2 (310)	22 (10.0)
11790-X18	12U	19"EIA	17 (430)	29.1 (739)	21.7 (551)	18.2 (462)	24 (10.9)
11790-X25	12U	19"EIA	24 (610)	29.1 (739)	21.7 (551)	25.2 (640)	42 (19.1)
11791-X12	20U	19"EIA	11 (280)	43.1 (1095)	21.7 (551)	12.2 (310)	24 (10.9)
11791-X18	20U	19"EIA	17 (430)	43.1 (1095)	21.7 (551)	18.2 (462)	26 (11.8)
11791-X25	20U	19"EIA	24 (610)	43.1 (1095)	21.7 (551)	25.2 (640)	46 (20.9)
11807-X12	26U	19"EIA	11 (280)	53.6 (1361)	21.7 (551)	12.2 (310)	25 (11.3)
11807-X18	26U	19"EIA	17 (430)	53.6 (1361)	21.7 (551)	18.2 (462)	26 (11.8)
11807-X25	26U	19"EIA	24 (610)	53.6 (1361)	21.7 (551)	25.2 (640)	50 (22.7)
11792-X12	40U	19"EIA	11 (280)	78.1 (1984)	21.7 (551)	12.2 (310)	31 (14.1)
11792-X18	40U	19"EIA	17 (430)	78.1 (1984)	21.7 (551)	18.2 (462)	33 (15.0)
11792-X25	40U	19"EIA	24 (610)	78.1 (1984)	21.7 (551)	25.2 (640)	60 (27.2)
11793-X12	12U	23"	11 (280)	29.1 (739)	25.7 (653)	12.2 (310)	23 (10.4)
11793-X18	12U	23"	17 (430)	29.1 (739)	25.7 (653)	18.2 (462)	25 (11.3)
11793-X25	12U	23"	24 (610)	29.1 (739)	25.7 (653)	25.2 (640)	43 (19.5)
11794-X12	20U	23"	11 (280)	43.1 (1095)	25.7 (653)	12.2 (310)	25 (11.3)
11794-X18	20U	23"	17 (430)	43.1 (1095)	25.7 (653)	18.2 (462)	27 (12.2)
11794-X25	20U	23"	24 (610)	43.1 (1095)	25.7 (653)	25.2 (640)	47 (21.3)
11808-X12	26U	23"	11 (280)	53.6 (1361)	25.7 (653)	12.2 (310)	26 (11.8)
11808-X18	26U	23"	17 (430)	53.6 (1361)	25.7 (653)	18.2 (462)	28 (12.7)
11808-X25	26U	23"	24 (610)	53.6 (1361)	25.7 (653)	25.2 (640)	51 (23.1)
11795-X12	40U	23"	11 (280)	78.1 (1984)	25.7 (653)	12.2 (310)	32 (14.5)
11795-X18	40U	23"	17 (430)	78.1 (1984)	25.7 (653)	18.2 (462)	34 (15.4)
11795-X25	40U	23"	24 (610)	78.1 (1984)	25.7 (653)	25.2 (640)	61 (27.7)

X=color: 1=Gray, 7=Black, E=Glacier White

Note: Usable depth is reduced at the top and bottom U to 8" (200 mm) on -X12; 12" (300 mm) on -X18; and 19" (462 mm) on -X25 racks.



Heavy Duty Swing Gate Kit increases the load bearing capacity of P/Ns (-X18) and (-X25) Standard Swing Gate Wall Racks to 150 lb (68 kg). Hardware included.

Part Number	Description	Shipping Weight lb (kg)
12795-X01	Heavy Duty Swing Gate Kit, 2 Brackets	4 (1.8)

X=color: 1=Gray, 7=Black, E=Glacier White.





## Fixed Wall-Mount Equipment Rack

The Fixed Wall-Mount Equipment Rack is a sturdy platform for wall mounting equipment.

- U spaces are marked and numbered, tapped with #12-24 roll-formed threads
- Includes (50) #12-24 equipment mounting screws. Black painted racks ship with black screws; other racks ship with zinc screws
- Supports single-sided and double-sided shelves
- Supports 200 lb (90.7 kg) of equipment when securely mounted to wall or backboard using all eight leg mounting holes

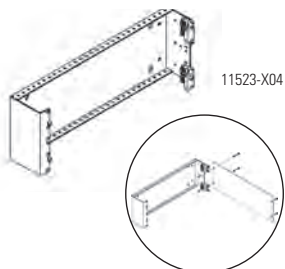
Fixed Wall-Mount Equipment Rack							
Part Number	Height	Width	Depth	Height	Width	Depth	Shipping Weight lb (kg)
	Usable Dimensions			Overall Dimensions			
11960-X06	12U	19"EIA	6 (150)	27.4 (696)	22.4 (569)	6.6 (168)	9 (4.1)
11960-X12	12U	19"EIA	12 (300)	27.4 (696)	22.4 (569)	12.6 (320)	12 (5.4)
11960-X18	12U	19"EIA	18 (457)	27.4 (696)	22.4 (569)	18.6 (472)	13 (5.9)
11961-X06	20U	19"EIA	6 (150)	41.4 (1052)	22.4 (569)	6.6 (168)	10 (4.5)
11961-X12	20U	19"EIA	12 (300)	41.4 (1052)	22.4 (569)	12.6 (320)	13 (5.9)
11961-X18	20U	19"EIA	18 (457)	41.4 (1052)	22.4 (569)	18.6 (472)	15 (6.8)
11962-X06	40U	19"EIA	6 (150)	76.4 (1941)	22.4 (569)	6.6 (168)	15 (6.8)
11962-X12	40U	19"EIA	12 (300)	76.4 (1941)	22.4 (569)	12.6 (320)	16 (7.3)
11962-X18	40U	19"EIA	18 (457)	76.4 (1941)	22.4 (569)	18.6 (472)	20 (9.1)
11963-X06	12U	23"	6 (150)	27.4 (696)	26.4 (671)	6.6 (168)	10 (4.5)
11963-X12	12U	23"	12 (300)	27.4 (696)	26.4 (671)	12.6 (320)	11 (5.0)
11963-X18	12U	23"	18 (457)	27.4 (696)	26.4 (671)	18.6 (472)	13 (5.9)
11964-X06	20U	23"	6 (150)	41.4 (1052)	26.4 (671)	6.6 (168)	11 (5.0)
11964-X12	20U	23"	12 (300)	41.4 (1052)	26.4 (671)	12.6 (320)	12 (5.4)
11964-X18	20U	23"	18 (457)	41.4 (1052)	26.4 (671)	18.6 (472)	15 (6.8)
11965-X06	40U	23"	6 (150)	76.4 (1941)	26.4 (671)	6.6 (168)	16 (7.3)
11965-X12	40U	23"	12 (300)	76.4 (1941)	26.4 (671)	12.6 (320)	17 (7.7)
11965-X18	40U	23"	18 (457)	76.4 (1941)	26.4 (671)	18.6 (472)	19 (8.6)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White

## Hinged Panel Mounting Bracket

Provides easy access to back of wall or rack-mounted panels.

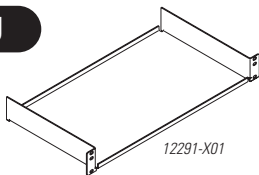
- 1.75"H (44.45 mm), 4" or 8"D (100 mm or 200 mm) and 19"W
- Mounting hardware not included; supports up to 30 lb (13.6 kg) load



Part Number	Description in (mm)	Shipping Weight lb (kg)
11521-X04	3.50 (88.9), 2U High, 4 (100) Deep	2 (0.9)
11522-X04	5.25 (133.4), 3U High, 4 (100) Deep	2 (0.9)
11523-X04	7.00 (177.8), 4U High, 4 (100) Deep	2 (0.9)
11524-X04	8.75 (222.3), 5U High, 4 (100) Deep	2 (0.9)
11525-X04	10.5 (267.0), 6U High, 4 (100) Deep	2 (0.9)

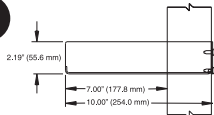
X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White  
Also available in 8"D (200 mm), (-X08).

2U

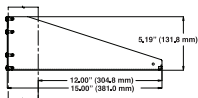


12291-X01

3U



40074-X00



## Shelves

- 15" (380 mm) shelf mounts in 18"D (460 mm) racks only

Part Number	Description	Shipping Weight lb (kg)
<b>10"D (250 mm) Shelf, H x W - in (mm)</b>		
12291-X01	2U x 17.25 (438.2), Supports 40 lb (18.1 kg)	4 (1.8)
<b>15"D (380 mm) Shelf, H x W - in (mm)</b>		
40074-X00	3U x 17.25 (438.2), Supports 50 lb (22.7 kg)	6 (2.7)

X=Color: 1=Gray, 5=Clear, 7=Black, E=Glacier White



1U



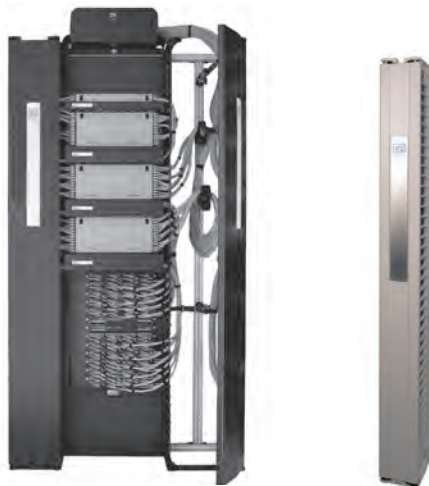
## Power Strip

Streamlined, durable steel body is fitted with bracket for mounting.

- 17"L (430 mm), uses 1U, black
- Circuit breaker, six or eight outlets, non-surge or surge-protected, 10'L (3 m) cord

Part Number	AMP	Plug Type	Outlets	Surge Protected
12816-701	15A	NEMA 5-15P	(8) 5-15R	No
12816-702	15A	NEMA L5-15P	(8) 5-15R	No
12816-703	15A	NEMA 5-15P	(6) 5-15R	Yes
12816-704	15A	NEMA L5-15P	(6) 5-15R	Yes
12816-705	20A	NEMA 5-20P	(8) 5-20R	No
12816-706	20A	NEMA L5-20P	(8) 5-20R	No
12816-707	20A	NEMA 5-20P	(6) 5-20R	Yes
12816-708	20A	NEMA L5-20P	(6) 5-20R	Yes

PATENTED

**New Feature:**

- Black or White finger options available
- Packed in 100% recyclable carton
- Ships fully assembled

## Motive® Cable Management

Motive Vertical Cable Manager is a highly configurable and advanced cable management solution that provides unlimited adjustability anywhere within the cable manager, optimizing use of interior space.

Motive Vertical Cable Management features an extrusion-based central track system and includes four tool-less cable management accessories. The unique design of the accessories provide numerous cable segregation configurations that allow for direct support of cables with optimal airflow through the cable manager, preparing networks for higher wattage in Power over Ethernet (PoE).

### Tool-less Accessories in Motive Vertical Cable Manager include:

- Accessory Rod mounts to Motive's central track, feature tool-less vertical adjustment and serves as the foundation for all of Motive's cable management accessories
- Rotating Management Finger accessory attaches to the Accessory Rod and provides cable bundle support and bundle segregation at any point within the cable manager
- Cable Bundle Swivel accessory attaches directly to Motive's central track, Accessory Rod or Rotating Management Finger and allows for quick attachment, removal and adjustment of cable bundles
- Half Spool accessory snaps onto the Accessory Rod and provides slack management and bend support for cables

Whether in a small telecommunications room closet or in a large scale enterprise data center, Motive's superior form and functions provide quick and easy moves, add, and changes through intuitive design and tool-less adjustability.

### Features:

- Frame has an extruded aluminum profile with a central track
- Innovative, tool-less accessories are included
- Large radii are designed into many of the frame elements to protect and support cables as they enter and exit the manager
- Touch points are highlighted in blue for easy identification and quick adjustment
- Dual-hinged front door assembly (preinstalled)
- Hook feature on inside of front door provides a dedicated, secure location to hang a test meter
- Available in a wide variety of heights, widths and configurations
- Black or White cable finger/gate options available
- Installation hardware included

Motive Horizontal Cable Managers complements the styling of the Motive Vertical Cable Manager and provides a dedicated horizontal pathway to organize and store cables above patch panels and network switches.

- Available in four heights; 1U, 2U, 3U, 4U
- Contoured, snap-on front door opens up or down and complements the styling of Motive Vertical Cable Manager
- 2 chassis styles; solid or with cable pass-through ports
- Plastic T-shaped cable guides organize cables as they enter and exit the manager; available in black or white finish options
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

## Motive Ordering Matrix:

Choose Manager **Style**, **Width**, **Color**, and **Height**, **Example Cable Manager Part Number: 326XX-XXX**

3	2	6	Style	Width - in (mm)	-	Cable Manager Color	Height - ft/in (m)
		1	Single-Sided, Black Fingers	0 6 (150)		7 Black*	01 6' (1.8)
		2	Double-Sided, Black Fingers	1 8 (200)		E Glacier White	02 6'6" (2.0)
		3	Single-Sided, White Fingers	2 10 (250)		*White Finger Option not available with Black Cable Manager	03 7' (2.1)
		4	Double-Sided, White Fingers	3 12 (300)			05 7'6" (2.3)
				4 15 (380)			15 8' (2.4)
							08 9' (2.7)

Motive Vertical Cable Manager ships fully assembled (door preinstalled)

### Accessories included with Motive Vertical Cable Manager:

#### Single-Sided Managers Include:

- Left and right side assemblies with T-shaped cable guides that align with rack-mount unit (U) spaces on rack
- Dual-hinged front door assembly
- Central track assembly
- 2 Accessory Rods
- 4 Rotating Management Fingers (Not included in 6"W (150 mm) and 8"W (200 mm)
- 12 Cable Bundle Swivels
- 4 Half Spools (Not included in 6"W (150 mm) and 8"W (200 mm)
- Installation hardware

#### Double-Sided Managers Include:

- Left and right side assemblies with T-shaped cable guides that align with rack-mount unit (U) spaces on rack
- Dual-hinged front door and rear door assemblies
- Central track assembly
- 4 Accessory Rods
- 4 Rotating Management Fingers (Not included in 6"W (150 mm) and 8"W (200 mm)
- 12 Cable Bundle Swivels
- 4 Half Spools (Not included in 6"W (150 mm) and 8"W (200 mm)
- Installation hardware



Choose option for black or white cable management fingers.

### Accessory Rod Assembly

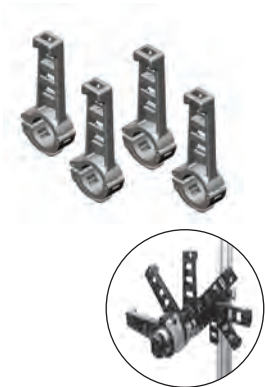
Accessory Rod Assembly hooks onto the central track at any point and features a T-slot extrusion on each side for attaching accessories and a thumb screw for quick adjustment.

- T-slot tracks on right and left sides
- Use for left and right cable segregation and with other accessories for a variety of configurations
- Adjust elevation by loosening and re-tightening of blue thumbscrew
- Sold in pairs
- Finish: Clear anodized aluminum with black base and end cap; blue adjustment point
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)



See Cable Fill Tables at [chatsworth.com/cablefill](http://chatsworth.com/cablefill)

Part Number	Description	Shipping Weight lb (kg)
32650-701	For Motive Single-Sided Vertical Cable Manager, 1 pair	2 (0.7)
32650-702	For Motive Double-Sided Vertical Cable Manager, 1 pair	2 (0.7)



## Rotating Management Finger Kit

Rotating Management Finger Kit positions anywhere front-to-back along the Accessory Rod Assembly to secure and isolate cable bundles. It rotates and locks into position in 45 degree increments on the Accessory Rod Assembly for flexible cable support anywhere within the manager (Not for use with 6"W (150 mm) and 8"W (200 mm) managers).

- Attaches to the Accessory Rod using tool-less clasp-type fastener
- Accommodates up to 4 Cable Bundle Swivels
- Use for cable bundle segregation and to support cables anywhere within cable management space
- Sold in packs of 4
- Finish: Black with blue adjustment point
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

Part Number	Description	Shipping Weight lb (kg)
32661-001	Rotating Management Finger Kit, Pack of 4	1 (0.5)



## Cable Bundle Swivel Kit

Cable Bundle Swivel Kit can be used anywhere on the central track or Accessory Rod Assembly, as well as multiple points on the Rotating Management Finger.

- Tool-less 1/4 turn installation
- Swivel feature adds flexibility and enhances cable bundle support
- Accommodates hook and loop fasteners up to 3/4"W (19 mm)
- Available in packs of 12 or 48
- Finish: Black with blue adjustment point
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

Part Number	Description	Shipping Weight lb (kg)
32657-001	Cable Bundle Swivel Kit, Pack of 12	1 (0.5)
32657-002	Cable Bundle Swivel Kit, Pack of 48	2 (0.9)



## Half Spool Kit

Half Spool Kit attaches to the Accessory Rod Assembly. Half Spools can be used over and under to create a complete round spool or front/rear to create two half spools. (Not for use with 6"W (150 mm) and 8"W (200 mm) managers).

- Tool-less installation – snaps onto Accessory Rod Assembly
- Adjusts front-to-rear
- Installs on top and bottom of Accessory Rod Assembly to create a full 2" diameter (50 mm) spool
- Use up to 4 Half Spools per Accessory Rod Assembly
- Sold in a pack of 4
- Finish: Black
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

Part Number	Description	Shipping Weight lb (kg)
32651-001	Half Spool Kit, Pack of 4	1 (0.5)

## Cable Ring Kit for Motive Single-Sided Vertical Cable Manager



- Creates a separate cable pathway for premise cables at the back of Motive Single-Sided Vertical Cable Manager
- Match the kit to the width of the vertical cable manager; one kit per manager
- Attaches to the central track with included hardware
- Rings are C-shaped, 3.5" H x 8.5" D (89 mm x 216 mm), with a plastic latch that spins open to provide access to cables
- Compatible with all Motive Cable Management accessories
- Each kit includes 5 rings; black or white gate options available
- White gate option only available with white chassis



Black or white swing gate options available.

Kits: Packs of 5

Part Number	Description	Shipping Weight lb (kg)
<b>Black/White* Chassis with Black Gate</b>		
32573-X00	For 6"W (150 mm) Manager, Black Gate	9.6 (4.4)
32573-X01	For 8"W (200 mm) Manager, Black Gate	11 (5.5)
32573-X02	For 10"W (250 mm) Manager, Black Gate	12.4 (5.6)
32573-X03	For 12"W (300 mm) Manager, Black Gate	14.8 (6.7)
32573X04	For 15"W (380 mm) Manager, Black Gate	17.8 (8.1)
<b>White Ring Chassis with White Gate</b>		
32574-E00	For 6"W (150 mm) Manager, White Gate	9.6 (4.4)
32574-E01	For 8"W (200 mm) Manager, White Gate	11 (5.5)
32574-E02	For 10"W (250 mm) Manager, White Gate	12.4 (5.6)
32574-E03	For 12"W (300 mm) Manager, White Gate	14.8 (6.7)
32574-E04	For 15"W (380 mm) Manager, White Gate	17.8 (8.1)

Ring Chassis\* X= Color; 7 = Black, E= Glacier White.

## Tool-less Bend Radius Kit for Fiber Patch Cords

Tool-less Bend Radius Kit for Fiber Patch Cords ensures proper bend radius support for fiber optic patch cords when transitioning through T-shaped cable guides. It snaps onto the finger manager without any tools, and can be used for new or retrofit applications.

- Provides proper bend radius support for fiber optic patch cords
- Tool-less installation
- May be installed in upward or downward orientations on either side of a T-shaped cable guide
- Compatible with Evolution and Motive Cable Managers, finger kits for the SeismicFrame Two-Post Rack, Adjustable Rail QuadraRack and ServerRack
- Available in packs of 10 or 50



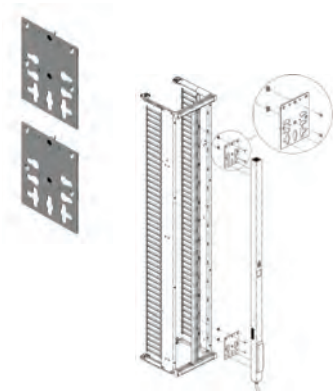
New white Option available.

Part Number	Description	Shipping Weight lb (kg)
32697-001	Tool-less Bend Radius Kit for Fiber Patch Cords, Black, Pack of 10	1 (0.5)
32697-002	Tool-less Bend Radius Kit for Fiber Patch Cords, Black, Pack of 50	3 (1.4)
32698-002	Tool-less Bend Radius Kit for Fiber Patch Cords, White, Pack of 50	3 (1.4)

## Dual PDU Bracket Kit

Dual PDU Bracket Kit attaches directly to Motive's central track and provides a flexible and convenient method of supporting up to two vertical PDUs side-by-side.

- 2-piece design enables compatibility with virtually all tool-less PDU chassis lengths
- Attaches directly to the central track of the manager
- Center-mount on any manager width
- Optional offset mount on 10"W (250 mm) and wider managers
- Supports two 2.7"W (69 mm) or narrower PDUs side-by-side or one 4"W (100 mm PDU)
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

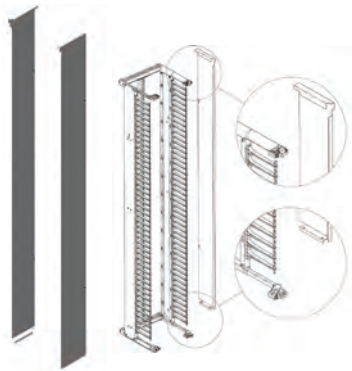


Part Number	Description	Shipping Weight lb (kg)
32601-X00	Dual PDU Bracket Kit	2 (0.9)

X= Color; 7 = Black, E= Glacier White. (Note: Cable manager must be taller than PDU).

## Side Panel Kit

- Use for added protection and/or in thermal containment environments
- Available in 1 pair or 2 pairs
- 1 pair includes 1 left and 1 right side panel and will cover both sides of a Motive Single-Sided Vertical Cable Manager
- 2 pairs includes 2 left and 2 right side panels and will cover both sides of a Motive Double-Sided Vertical Cable Manager
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)



Part Number	Description	Shipping Weight lb (kg)
32602-X03	84 (2133), 1 Pair	16 (7.3)
32602-X53	84 (2133), 2 Pairs	30 (13.6)

X= Color; 7 = Black, E= Glacier White. Side Panel Kit is available for all standard heights and widths. See Motive Data Sheet for additional information.

## Motive Horizontal Cable Manager

Motive Horizontal Cable Manager complements the styling of the Motive Vertical Cable Manager and provides a dedicated horizontal pathway to organize and store cables above patch panels and network switches.

Motive Horizontal Cable Manager includes plastic T-shaped cable guides to organize patch cords and jumper cords as the cords enter and exit the manager to make individual equipment connections. Two chassis styles are available. Choose the solid chassis option for use in areas where thermal isolation is needed. Use the chassis with pass-through cable ports to allow patch cords to pass front-to-rear.

- Available in four heights; 1U, 2U, 3U, 4U
- Contoured, snap-on front door opens up or down and complements the styling of Motive Vertical Cable Manager
- 2 chassis styles; solid or with cable pass-through ports
- Plastic T-shaped cable guides organize cables as they enter and exit the manager
- Available with Black or White plastic fingers
- White finger option only available with white chassis
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)



35431-X02



35432-X02

Part Number		Description Height (U) H x W x D	Shipping Weight lb (kg)
Part Number	Chassis Style		
<b>Black/White Cable Manager with Black Fingers</b>			
35431-X02	With cable pass-through ports, Black Fingers	2U x 19 x 8.2 (208)	4 (1.8)
35431-X03	With cable pass-through ports, Black Fingers	3U x 19 x 8.2 (208)	5 (2.4)
35431-X04	With cable pass-through ports, Black Fingers	4U x 19 x 8.2 (208)	7 (3.2)
35432-X01*	Solid, Black Fingers	1U x 19 x 8.2 (208)	3 (1.4)
35432-X02	Solid, Black Fingers	2U x 19 x 8.2 (208)	4 (1.8)
35432-X03	Solid, Black Fingers	3U x 19 x 8.2 (208)	5 (2.4)
35432-X04	Solid, Black Fingers	4U x 19 x 8.2 (208)	7 (3.2)
<b>White Cable Manager with White Fingers</b>			
35433-E02	With cable pass-through ports, White Fingers	2U x 19 x 8.2 (208)	4 (1.8)
35433-E03	With cable pass-through ports, White Fingers	3U x 19 x 8.2 (208)	5 (2.4)
35434-E04	With cable pass-through ports, White Fingers	4U x 19 x 8.2 (208)	7 (3.2)
35434-E01*	Solid, White Fingers	1U x 19 x 8.2 (208)	3 (1.4)
35434-E02	Solid, White Fingers	2U x 19 x 8.2 (208)	4 (1.8)
35434-E03	Solid, White Fingers	3U x 19 x 8.2 (208)	5 (2.4)
35434-E04	Solid, White Fingers	4U x 19 x 8.2 (208)	7 (3.2)

Cable Manager Chassis Color:; X= Color; 7= Black, E= Glacier White.

\*1U Horizontal managers available with solid chassis only.





#### New Tool-Less Accessories

- Tool-Less Movable Mid-Section Kit
- Tool-Less & Adjustable Cable Distribution Spool
- Tool-Less Installation Hardware

## Evolution® Cable Management System

Evolution® Cable Management System is a reliable, feature-rich cable management solution with faster deployment times that delivers increased performance to match the demands of today's high-density data center applications.

### Evolution Vertical Cable Manager:

Featuring easy-to-use doors with styling that complements the CPI family of cabinets, Evolution Vertical Cable Manager provides interior features to help maximize the capacity and utility of high-density vertical cable management. Evolution Vertical Cable Manager includes plastic T-shaped cable guides (fingers) with openings that align with each rack-mount unit (U) space on the rack. The rounded edges on the cable guides and the top of the manager protect cables as they enter and exit the interior storage space. On double-sided managers, the Movable Mid-Section panels allow personalized placement of the Tool-Less & Adjustable Cable Distribution Spools and other cable management accessories to effectively route patch cords. The Movable Mid-Section panels can also be positioned for a 50/50, 40/60 or 60/40 front/rear split of the internal cable management space to match cabling requirements.

Vertical managers are available in Single-Sided, Double-Sided and Combination style configurations in five widths and three heights to match a variety of requirements. Combination managers have cable management fingers in the front and cable rings in the back.

### Features:

- Tool-Less & Adjustable Cable Distribution Spools provide slack management and strain relief for patch cords and jumper cables inside Evolution Vertical Cable Managers
- Movable Mid-Section Kit for double-sided managers allows for increased flexibility in space utilization and reduces installation time from minutes to seconds
- The front/rear doors on the vertical cable manager opens to the right or left with a single latch
- T-shaped cable guide design resists deflection when loaded with cables
- Rounded edges on the cable guides and at the top of the cable manager protect cables as they enter and exit the storage space
- Rigid trough minimizes movement when installed on the end of a row of racks
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

## Evolution Vertical Manager Ordering Matrix:

Choose Manager **Style**, **Width**, **Color**, and **Height**. **Example Part Number**; 35514-703 Single-Sided, 12"W x 7"H, Black

3	5	5	Style	Width - in (mm)	-	Color	Height - ft/in (m)
		<b>1</b>	Single-Sided	<b>1</b> 6 (150)		<b>7</b> Black	<b>03</b> 7' (2.1)
		<b>2</b>	Double-Sided	<b>2</b> 8 (200)		<b>E</b> Glacier White	<b>15</b> 8' (2.4)
		<b>7</b>	Combination	<b>3</b> 10 (250)			<b>08</b> 9' (2.7)
		<b>4</b>		<b>4</b> 12 (300)			
		<b>5</b>		<b>5</b> 15 (380)			

**PATENTED**



Single-Sided Vertical Cable Manager



Double-Sided Vertical Cable Manager



Combination Vertical Cable Manager

## Evolution Horizontal Cable Manager

Available in four heights: 1U, 2U, 3U, 4U. The snap-on door complements the styling of Evolution Vertical Cable Manager. Open the door by swinging the cover up, down or easily remove it for easier access to cables. Evolution Horizontal Cable Manager includes plastic T-shaped cable guides to organize patch cords and jumper cords as the cords enter and exit the manager to make individual equipment connections. Four chassis styles are available. Choose the solid, cable passthrough ports, brushes, or grommets chassis option for use in areas where thermal isolation is needed.

- Contoured, snap-on front door opens up or down and complements the styling of the Evolution Vertical Cable Manager
- Four chassis styles: solid, with cable-pass through ports, brushes or grommets
- Plastic T-shaped cable guides organize cables as they enter and exit the manager



Cable Pass-Through Ports shown



Solid Back shown



Brushes shown



Grommets shown

Part Number	Chassis Style	Dimensions	Shipping Weight lb (kg)
35441-X02	With Cable Pass-Through Ports	2U X 19" EIA x 8.2" (208 mm)	4 (1.8)
35441-X03	With Cable Pass-Through Ports	3U X 19" EIA x 8.2" (208 mm)	5 (2.3)
35441-X04	With Cable Pass-Through Ports	4U X 19" EIA x 8.2" (208 mm)	7 (3.2)
35441-X01	Solid	1U X 19" EIA x 8.2" (208 mm)	3 (1.4)
35442-X02	Solid	2U X 19" EIA x 8.2" (208 mm)	4 (1.8)
35442-X03	Solid	3U X 19" EIA x 8.2" (208 mm)	5 (2.3)
35442-X04	Solid	4U X 19" EIA x 8.2" (208 mm)	7 (3.2)
33548-X02	With Brushes	2U X 19" EIA x 8.2" (208 mm)	4 (1.8)
33548-X03	With Brushes	3U X 19" EIA x 8.2" (208 mm)	5 (2.3)
33548-X04	With Brushes	4U X 19" EIA x 8.2" (208 mm)	7 (3.2)
33549-X02	With Grommets	2U X 19" EIA x 8.2" (208 mm)	4 (1.8)
33549-X03	With Grommets	3U X 19" EIA x 8.2" (208 mm)	5 (2.3)
33549-X04	With Grommets	4U X 19" EIA x 8.2" (208 mm)	7 (3.2)

X= Color; 7 = Black, E= Glacier White.



### Movable Mid-Section Kit

Kit includes three additional Movable Mid-Section Panels for the Evolution Double-Sided Vertical Cable Manager.

- Select to match the width of the cable manager
- Tool-Less snap-together design (does not require mounting hardware)
- Includes two blue latches that lock panel in place
- Provisioned for the Tool-Less & Adjustable Cable Distribution Spool

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
33493-X01	For 6 (150) Double-Sided Vertical Cable Managers	4 (1.8)
33493-X02	For 8 (200) Double-Sided Vertical Cable Managers	5 (2.3)
33493-X03	For 10 (250) Double-Sided Vertical Cable Managers	5 (2.3)
33493-X04	For 12 (300) Double-Sided Vertical Cable Managers	7 (3.2)
33493-X05	For 15 (380) Double-Sided Vertical Cable Managers	8 (3.6)

X= Color; 7 = Black, E= Glacier White.



### Fixed Accessory Panel Kit

Kit includes three additional Fixed Accessory Panels for the Evolution Single-Sided Vertical Cable Manager.

- Select to match the width of the cable manager
- Includes installation hardware
- Provisioned for the Tool-Less & Adjustable Cable Distribution Spool

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
33492-X01	For 6 (150) Single-Sided Vertical Cable Managers	4 (1.8)
33492-X02	For 8 (200) Single-Sided Vertical Cable Managers	5 (2.3)
33492-X03	For 10 (250) Single-Sided Vertical Cable Managers	5 (2.3)
33492-X04	For 12 (300) Single-Sided Vertical Cable Managers	7 (3.2)
33492-X05	For 15 (380) Single-Sided Vertical Cable Managers	8 (3.6)

X= Color; 7 = Black, E= Glacier White.



### Tool-Less & Adjustable Cable Distribution Spools

The Tool-Less & Adjustable Cable Distribution Spools provide slack management and strain relief for patch cords and jumper cables inside Evolution Vertical Cable Managers.

- Attaches to the Fixed Accessory Panels on the back of Single-Sided vertical cable managers and the Movable Mid-Section panels inside Double-Sided vertical cable managers
- (3) large cable distribution spools are included with each 10"W (250 mm), 12"W (300 mm) and 15"W (380 mm) vertical cable manager, (will not fit in other sizes)
- Spools are 2.75" (69.9 mm) in diameter and 6"L - 10.25"L (150-260 mm); black plastic
- Each kit includes 3 spools (no hardware required)

Part Number	Description	Shipping Weight lb (kg)
16008-001	Cable Spools, Black (Pkg of 3)	2 (0.9)

X= Color; 7 = Black, E= Glacier White.



### Cable Ring Kit

The Cable Ring Kit is designed for the Evolution Single-Sided Vertical Cable Manager. Creates a separate cable pathway for premise cables at the back of the Cable Manager.

- Match the kit to the width of the vertical cable manager; one kit per manager
- Attaches to the rear flanges of the vertical cable manager with the included hardware
- Rings are C-shaped, with a plastic latch that opens to the left, right or can be completely removed for easier access to cables
- Plastic hinges and gate are black
- Each kit includes 5 rings

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
33502-X01	For 6 (150), Single-Sided Cable Manager	10 (4.5)
33502-X02	For 8 (200), Single-Sided Cable Manager	11 (5.0)
33502-X03	For 10 (300), Single-Sided Cable Manager	12 (5.5)
33502-X04	For 12 (350), Single-Sided Cable Manager	13 (5.9)
33502-X05	For 15 (380), Single-Sided Cable Manager	15 (6.8)

Note: X=Color; 7=Black and E=Glacier White.

### Two-Piece Side Panel Kits

The Two-Piece Side Panel Kits are available for both the Evolution Double-Sided and Single-Sided Vertical Cable Managers, which are typically placed at the end of a row of equipment racks.

- Double-Sided Panel Kits are to be used with the Evolution Double-Sided Cable Managers
- Single-Sided Panel Kits are to be used with Evolution Single-Sided Cable Managers
- Tool-Less attachment to the side(s) of the Evolution Vertical Cable Manager
- Select to match the height of the cable manager

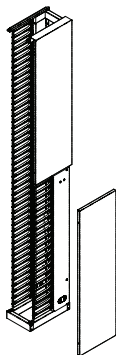
Part Number		Description Height ft (M)	Shipping Weight lb (kg)
Single-Sided	Double-Sided		
33552-X03	33551-X03	Side Panel Kit, 7 (2.1)	30 (13.6)
33552-X05	33551-X05	Side Panel Kit, 8 (2.4)	34 (25.4)
33552-X06	33551-X06	Side Panel Kit, 9 (2.7)	38 (17.2)

Note: X=Color; 7=Black and E=Glacier White.

\*Shipping weight is for Double-Sided.



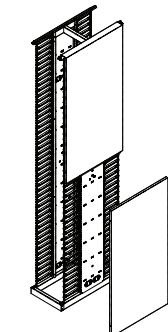
Single-Sided



Single-Sided Installation



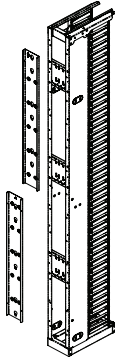
Double-Sided



Double-Sided Installation



6"W Bracket



33555-X01, 6"W  
Installation

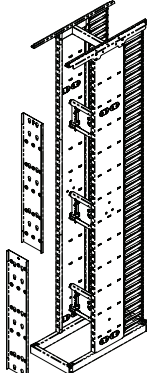
## PDU Bracket Kit

The two-piece PDU Bracket Kit can be used with both the Evolution Double-Sided and Single-Sided Vertical Cable Managers. Can support one or up to two PDU's up to 2.2"W and mounts to the rear of the Fixed Accessory Panel Kit or Movable Mid-Section Kit.

- The 6"W PDU Bracket Kit (33555-X01) attaches to the rear mounting holes on either the Single-Sided or Double-Sided Evolution Vertical Cable Managers and will support 1 PDU up to 2.2"W
- The 8"W-15"W PDU Bracket Kit (33555-X02) attaches to the rear mounting holes on either the Single-Sided or Double-Sided Evolution Vertical Cable Managers and will support two PDU's up to 2.2"W
- Select to match the width of the cable manager
- Two-Piece Design
- Mounting hardware included



8"W-15"W Bracket



33555-X02, 8"-15"W  
Installation

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
33555-X01	PDU Bracket, 6 (150)	7 (3.2)
33555-X02	PDU Bracket, 8-15 (200 - 335)	9 (4.0)

Note: X=Color; 7=Black and E=Glacier White.

See Cable Fill Tables at  
[chatsworth.com/cablefill](http://chatsworth.com/cablefill)



Single-Sided



Double-Sided

## Full Height Mid-Panel Kits

The Full Height Mid-Panel Kits can be used with both the Evolution Double-Sided and Single-Sided Vertical Cable Managers. This kit manages airflow from the front to rear sections of the cable manager, for Hot/Cold aisle containment applications, by utilizing either brushes or grommets for cable pass-thru.

- Can be ordered with brushes or grommets
- Allows for cable pass-thru
- Isolates the mixture of cold & hot air
- Height & Width Specific
- Only available for 10"W or wider Cable Managers
- Single Set

Part Number		Description Width / Height in (mm) / ft (M)	Shipping Weight lb (kg)
Single-Sided	Double-Sided		
33545-X03	33544-X03	Mid-Panel Kit for 10 (300), 7 (2.1) Manager, Brush-Sealed	12 (5.5)
33545-X05	33544-X05	Mid-Panel Kit for 10 (300), 8 (2.4) Manager, Brush-Sealed	14 (6.4)
33545-X06	33544-X06	Mid-Panel Kit for 10 (300), 9 (2.7) Manager, Brush-Sealed	15 (6.8)
33545-X09	33544-X09	Mid-Panel Kit for 12 (350), 7 (2.1) Manager, Brush-Sealed	13 (5.9)
33545-X11	33544-X11	Mid-Panel Kit for 12 (350), 8 (2.4) Manager, Brush-Sealed	16 (7.3)
33545-X12	33544-X12	Mid-Panel Kit for 12 (350), 9 (2.7) Manager, Brush-Sealed	17 (7.7)
33545-X15	33544-X15	Mid-Panel Kit for 15 (380), 7 (2.1) Manager, Brush-Sealed	16 (7.3)
33545-X17	33544-X17	Mid-Panel Kit for 15 (380), 8 (2.4) Manager, Brush-Sealed	19 (8.6)
33545-X18	33544-X18	Mid-Panel Kit for 15 (380), 9 (2.7) Manager, Brush-Sealed	21 (9.5)
33545-X21	33544-X21	Mid-Panel Kit for 10 (300), 7 (2.1) Manager, Grommet-Sealed	12 (5.5)
33545-X23	33544-X23	Mid-Panel Kit for 10 (300), 8 (2.4) Manager, Grommet-Sealed	14 (6.4)
33545-X24	33544-X24	Mid-Panel Kit for 10 (300), 9 (2.7) Manager, Grommet-Sealed	15 (6.8)
33545-X27	33544-X27	Mid-Panel Kit for 12 (350), 7 (2.1) Manager, Grommet-Sealed	13 (5.9)
33545-X29	33544-X29	Mid-Panel Kit for 12 (350), 8 (2.4) Manager, Grommet-Sealed	16 (7.3)
33545-X30	33544-X30	Mid-Panel Kit for 12 (350), 9 (2.7) Manager, Grommet-Sealed	17 (7.7)
33545-X33	33544-X33	Mid-Panel Kit for 15 (380), 7 (2.1) Manager, Grommet-Sealed	16 (7.3)
33545-X35	33544-X35	Mid-Panel Kit for 15 (380), 8 (2.4) Manager, Grommet-Sealed	19 (8.6)
33545-X36	33544-X36	Mid-Panel Kit for 15 (380), 9 (2.7) Manager, Grommet-Sealed	21 (9.5)

Note: X=Color; 7=Black and E=Glacier White.

\*Shipping weight is for Double-Sided Manager.



35475-701

### Fiber Segregation Kit

The Fiber Segregation Kit creates a separate pathway for fiber cables and patch cords inside Evolution Vertical Cable Managers.

- The number of Fiber Segregation Kit assemblies that can be mounted in an Evolution Cable Manager depends on the manager height as follows:
  - 7' – 3
  - 8' – 3
  - 9' – 4 (requires an additional Movable Mid-Section or Fixed Accessory Panel Kit)
- The Fiber Segregation spools turns 360° and stops at 90° allowing for easier access to fiber cables
- Each kit includes mounting brackets, plastic spools and mounting hardware to create a separate pathway inside the vertical cable manager when assembled and installed



35473-001

### Cable Lashing Bar Kit

- Use up to 6 cable lashing bars (front/rear) in 6"W (150 mm) vertical cable managers and up to 10 cable lashing bars (front/rear) in 8"W (200 mm), 10"W (250 mm), 12"W (300 mm) and 15"W (380 mm) vertical cable managers
- Each kit includes (4) round .23" (5.7 mm) diameter x 20.6"L (524 mm) steel lashing bars and mounting hardware



35503-701

### Cable Divider Bar Kit

- Cable Divider Bar Kit provides tie points for cables inside Evolution Vertical Cable Managers and divides the interior of the cable manager to create multiple pathways for cables.
- Attaches to the Fixed Accessory panels inside vertical cable managers
  - Each Cable Divider Bar is 5.75"H x 1"W x 20"L (146 mm x 25 mm x 510 mm)
  - Use side-by-side to create multiple pathways in 10"W (250 mm) or wider cable managers
  - Each kit includes four Cable Divider Bars and mounting hardware.

### Tool-less Bend Radius Kit for Fiber Patch Cords

Tool-Less Bend Radius Kit for Fiber Patch Cords ensures proper bend radius support for fiber optic patch cords when transitioning through T-shaped cable guides. It snaps onto the finger manager without any tools, and can be used for new or retrofit applications.

- Provides proper bend radius support for fiber optic patch cords
- Tool-Less installation
- May be installed in upward or downward orientations on either side of a T-shaped cable guide



32697-001

### Floor Bracket

Floor Bracket secures the base of the Evolution Vertical Cable Managers to the floor when located at the end of a row of equipment racks.

- Order floor attachment hardware separately



35506.701

Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

See Cable Fill Tables at [chatsworth.com/cablefill](http://chatsworth.com/cablefill)

Part Number	Description	Shipping Weight lb (kg)
35475-701	Fiber Segregation Kit, Black	6 (2.7)
35473-001	Cable Lashing Bar Kit, Zinc	2 (0.9)
35503-701	Cable Divider Bar Kit, Black	3 (1.4)
32697-001	Tool-less Bend Radius Kit, Pack of 10	1 (0.5)
32697-002	Tool-less Bend Radius Kit, Pack of 50	3 (1.4)
35506-701	Floor Bracket, Pack of 12	3 (1.4)



*Velocity Cable Managers are easy to ship and store. Compact packaging requires less storage space, reduces waste and is easier and more cost-efficient to ship.*

## Velocity® Cable Management

CPI's Velocity Cable Management is an economical cable management solution for everyday use in telecommunication rooms, equipment rooms and lab spaces, and creates a complete vertical and horizontal pathway for premise cabling and patch cords on CPI Rack Systems.

### Vertical Cable Managers:

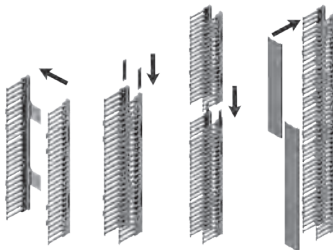
Velocity Cable Management includes single- and double-sided vertical cable managers available in four widths and three heights. They can ship unassembled in compact packaging to reduce shipping costs and storage space, providing easier staging and handling on the job site with less packaging to remove. No tools are required to assemble the cable manager. The components simply snap together, and the manager bolts to the side of the rack with included hardware.

The vertical cable manager features a large cross section to maximize internal cable management space. To simplify cable management, T-shaped cable guides and openings on the sides of the manager align with each rack-mount unit and have rounded edges to protect cables from snags. Snap-on covers are included and swing open to the right or left to provide easy access, and protect cables when closed. The manager has openings in the body, which allow cables to easily pass from front-to-rear. Add the accessory Cable Spool Kit to manage fiber, the Cable Lashing Bar Kit to secure large cable bundles or the Cable Ring Kit to create a rear pathway on the back of single-sided managers.

### Features:

- Vertical managers for open two-post and four-post CPI Rack Systems that have 3"D (80 mm) mounting channels; do not use with 6" Deep Standard Rack or SeismicFrame Two-Post Rack
- Packaging:
  - Each vertical cable manager ships unassembled in a single carton
  - Each horizontal cable manager ships fully assembled in a single carton
- Material:
  - Vertical cable manager has steel mid panels, splice plates and plastic sides; covers on 3.6"W (91 mm) and 6"W (152 mm) managers are plastic; covers on 10"W (254 mm) and 12"W (305 mm) managers are steel with plastic hinges
  - Horizontal cable manager is plastic
- Finish: Black epoxy-polyester hybrid powder coat paint on steel parts; black plastic
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

### Tool-less, click together assembly:







Note: 3.6"W & 6"W ship with extruded plastic doors; 10"W & 12"W ship with metal doors.

Velocity Single-Sided Vertical Cable Managers are 9.5"D (241 mm) without doors. The overall depth listed in the order table varies due to the bevel on the door, which differs slightly with width. Usable depth is 7.5" (191 mm). Usable width is 1.3" (33 mm) less than overall width.



Note: 3.6"W & 6"W ship with extruded plastic doors; 10"W & 12"W ship with metal doors.

Velocity Double-Sided Vertical Cable Managers are 16"D (406 mm) without doors. The overall depth listed in the order table varies due to the bevel on the door, which differs slightly with width. Usable depth in the front of the manager is 7.5" (191 mm). Usable depth at the rear of the manager is 5.5" (140 mm). Usable width is 1.3" (33 mm) less than overall width.

## Velocity Single-Sided Vertical Cable Managers

(4) vertical side sections with T-shaped cable guides spaced 1U apart; (4) mid panels with attachment points for cable management accessories; (2) splice plates used to assemble the top and bottom side sections; (2) half-height covers that snap onto the T-shaped cable guides; (8) M8 hex bolts, washers and hex flange nuts to secure cable managers to the rack. Patent: chatsworth.com/patents

Part Number	Height ft (m)	Description H x W x D in (mm)	Shipping Weight lb (kg)
13901-701	6'H (1.8 m) 38U Racks	70 x 3.6 x 9.7 (1778 x 91 x 246)	17 (7.7)
13902-701		70 x 6 x 9.8 (1778 x 152 x 249)	18 (8.2)
13904-701		70 x 10 x 10.3 (1778 x 254 x 262)	30 (13.6)
13905-701	7'H (2.1 m) 45U Racks	70 x 12 x 10.4 (1778 x 305 x 264)	32 (14.5)
13901-703		80.5 x 3.6 x 9.7 (2045 x 91 x 246)	18 (8.2)
13902-703		80.5 x 6 x 9.8 (2045 x 152 x 249)	20 (9.1)
13904-703	8'H (2.4 m) 51/52U Racks	80.5 x 10 x 10.3 (2045 x 254 x 262)	32 (14.5)
13905-703		80.5 x 12 x 10.4 (2045 x 305 x 264)	34 (15.4)
13901-715		91 x 3.6 x 9.7 (2311 x 91 x 246)	19 (8.6)
13902-715	91 x 6 x 9.8 (2311 x 152 x 249)	91 x 6 x 9.8 (2311 x 152 x 249)	21 (9.5)
13904-715		91 x 10 x 10.3 (2311 x 254 x 262)	34 (15.4)
13905-715		91 x 12 x 10.4 (2311 x 305 x 264)	36 (16.3)

Color is black.

## Velocity Double-Sided Vertical Cable Manager

(4) vertical side sections with T-shaped cable guides spaced 1U apart; (4) mid panels with attachment points for cable management Accessories; (2) splice plates used to assemble the top and bottom side sections; (4) half-height covers that snap onto the T-shaped cable guides; (8) M8 hex bolts, washers and hex flange nuts to secure cable managers to the rack. Patent: chatsworth.com/patents

Part Number	Height ft (m)	Description H x W x D in (mm)	Shipping Weight lb (kg)
13911-701	6'H (1.8 m) 38U Racks	70 x 3.6 x 16.4 (1778 x 91 x 417)	23 (10.4)
13912-701		70 x 6 x 16.6 (1778 x 152 x 422)	26 (11.8)
13914-701		70 x 10 x 17.5 (1778 x 254 x 445)	37 (16.8)
13915-701	7'H (2.1 m) 45U Racks	70 x 12 x 17.8 (1778 x 305 x 446)	40 (18.1)
13911-703		80.5 x 3.6 x 16.4 (2045 x 91 x 417)	25 (11.3)
13912-703		80.5 x 6 x 16.6 (2045 x 152 x 422)	28 (12.7)
13914-703	8'H (2.4 m) 51/52U Racks	80.5 x 10 x 17.5 (2045 x 254 x 445)	40 (18.1)
13915-703		80.5 x 12 x 17.8 (2045 x 305 x 446)	43 (19.5)
13911-715		91 x 3.6 x 16.4 (2311 x 91 x 417)	27 (12.2)
13912-715	91 x 6 x 16.6 (2311 x 152 x 422)	91 x 6 x 16.6 (2311 x 152 x 422)	30 (13.6)
13914-715		91 x 10 x 17.5 (2311 x 254 x 445)	44 (20.0)
13915-715		91 x 12 x 17.8 (2311 x 305 x 464)	47 (21.3)

Color is black.

## Velocity Cable Management Accessories

**Cable Ring Kit-** Attaches to the sides with included hardware. Rings are C-shaped, 3.0”H x 7.7”D (76 mm x 196 mm), made from aluminum and painted black; latch is black plastic and spins open to provide access to cables. Cable opening on 3.6”W (91 mm) rings is 1.4”W (36 mm); cable opening on other rings is 3.8”W (97 mm). Each kit includes multiple rings and mounting hardware. The kit for 6’ (1.8 m) includes six rings, the kit for 7’ (2.1 m) includes seven rings, and the kit for the 8’ (2.4 m) includes eight rings.

**Cable Spool Kit-** Attaches to the mid panel with included hardware. Use in 6”W (152 mm) or wider vertical cable managers; one kit per side. Spools are 2” (51 mm) in diameter and 6”L (152 mm) . Each kit includes four spools and mounting hardware.

**Cable Lashing Bar Kit-** Attaches to the mid panel with included hardware. Use in 6”W (152 mm) or wider vertical cable managers; one kit per side. Bars are .23” (5.7 mm) in diameter; two bars are 23.7”L (602 mm), four bars are 16.6”L (422 mm).. Each kit includes six lashing bars and mounting hardware.



13934-7XX



13935-701



13928-001



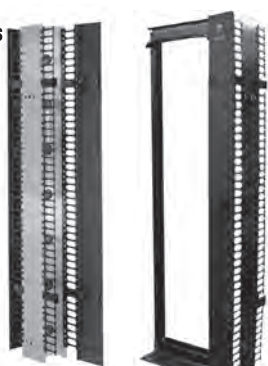
Part Number	Description Width - in (mm)	Shipping Weight lb (kg)
<b>Cable Ring Kit</b>		
13934-716	Cable Ring Kit for 6 (1.8) x 3.6 (91) Manager, Black	8 (3.6)
13934-717	Cable Ring Kit for 7 (2.1) x 3.6 (91) Manager, Black	9 (4.1)
13934-718	Cable Ring Kit for 8 (2.4) x 3.6 (91) Manager, Black	11 (5.0)
13934-726	Cable Ring Kit for 6 (1.8) x 6 (152) Manager, Black	9 (4.1)
13934-727	Cable Ring Kit for 7 (2.1) x 6 (152) Manager, Black	11 (5.0)
13934-728	Cable Ring Kit for 8 (2.4) x 6 (152) Manager, Black	12 (5.4)
13934-746	Cable Ring Kit for 6 (1.8) x 10 (254) Manager, Black	12 (5.4)
13934-747	Cable Ring Kit for 7 (2.1) x 10 (254) Manager, Black	14 (6.4)
13934-748	Cable Ring Kit for 8 (2.4) x 10 (254) Manager, Black	15 (6.8)
13934-756	Cable Ring Kit for 6 (1.8) x 12 (305) Manager, Black	14 (6.4)
13934-757	Cable Ring Kit for 7 (2.1) x 12 (305) Manager, Black	16 (7.3)
13934-758	Cable Ring Kit for 8 (2.4) x 12 (305) Manager, Black	18 (8.2)
<b>Cable Spool Kit</b>		
13935-701	Cable Spool Kit, Pack of 4, Black	2 (0.9)
<b>Cable Lashing Bar Kit</b>		
13928-001	Cable Lashing Bar Kit, Zinc	2 (0.9)

## Velocity Horizontal Cable Manager

Features T-shaped cable guides at the top and bottom of the manager, two cable openings in the rear of the manager allow front-to-rear cabling, and the snap-on cover stays in the opened position to provide easy access to cables.

- (1) 19”W EIA rack-mount cable manager with T-shaped cable guides; (1) cover that snaps-on to the T-shaped cable guides; (4) #12-24 x 1” rack-mount screws and (4) M6 x 25 mm rack-mount screws

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
13930-701	1U x 19 x 5.9 (150), Black	2 (0.9)
13930-702	2U x 19 x 5.9 (150), Black	3 (1.4)



Double-Sided MCS shown with door open

Shown on rack with Jumper Tray

## MCS Master Cabling Section

The MCS Master Cabling Section virtually eliminates the need for horizontal cable managers by providing frequent 1U spacing of the cable guides that aligns precisely with the rack spacing.

Includes innovative, rigid aluminum SwitchGate Door/Cover that hides and conceals cable. A handle is included on the outside of the door/cover, making removal and installation even easier.

- Extra-wide, contoured cable guides provide smooth movement and meet UL 94V-O Flame Resistant standards
- SwitchGate Door/Cover is easily switched from right to left opening and can be removed
- Double-Sided MCS Master Cabling Sections have edge-protected pass-through ports and vertical slots for optional cable ties
- 10"W (250 mm) version includes (4) Cable Distribution Spools
- Mounting hardware and doors are included
- Attaches to Standard Racks, Universal Racks or QuadraRacks

## MCS-EFX Master Cabling Section with Extended Fingers

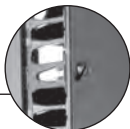
The MCS-EFX is a larger, higher capacity version of the MCS Master Cabling Section and is designed for use with most two- and four-post racks to manage cable at the cross connect, especially when using angled-face copper patch panels. MCS-EFX is packaged in a single carton for easy handling and includes installation hardware.

- Cable openings on the side of MCS-EFX are sized to accommodate 48 patch cords, twice the capacity of the standard MCS; openings have rounded edges to protect cable and will not deform or break
- Cable openings on the sides of MCS-EFX align with rack-mount unit space on the rack, allowing cables to exit by rack-mount unit
- The door hinges open to the right or left for easy access to cables during moves, adds and changes and locks in the closed position to protect cables from damage
- Plastic Cable Guides meet UL 94V-O Flame Resistant standards
- 10"W and 12"W (250 mm and 300 mm) Double-Sided MCS-EFX include (4) Cable Distribution Spools
- Mounting hardware and doors are included
- Attach to Standard Racks, Universal Racks, QuadraRacks or Adjustable QuadraRack frames

PATENTED



Extended fingers of MCS-EFX



Hinged locking door

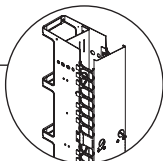
Use the part number matrix below to select your MCS Master Cabling Section. **Example Part Number: 30091-703.**

Finger Length		Width/Style		-	Color	Height		
30	Standard	091	4.4"W, Single-Sided*	5	Clear	00	5.6'	
	40	Extended (EFX)	092			6"W, Single-Sided	E	Glacier White
093			10"W, Single-Sided		02	6.6'		
094			4.4"W, Double-Sided (3009X)		03	7.0'		
094			12"W Single Sided (4009X)		05	7.6'		
095			6"W, Double-Sided		15	8.0'		
096			10"W, Double-Sided		08	9.0'		
097			12"W, Double-Sided**					

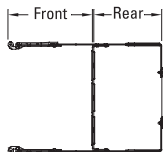
X=Color; 5=Clear, 7=Black, E=Glacier White. Clear (-5XX) versions have black doors/covers and cable guides.

Extended Finger Cabling Sections (EFX) are only available in 7"H, 7.6"H and 8"H.

\*(091) option is not valid for (4009X-XXX). \*\*12"W is only available in Extended Finger styles (40097).



Hinged locking door



## CCS Combination Cabling Section

The CCS Combination Cabling Section offers the best of CPI's cabling sections, but with added design features. This cabling section is double-sided with the front side, featuring plastic cable guides (like those used on the MCS Master Cabling Section,) while the back retains the classic VCS Vertical Cabling Section design.

- 1U cable guides on the front designed for fanning and managing patch cords
- Open cabling section on the rear provides easy access and routes cable bundles feeding into the back of patch panels
- Edge-protected pass-through ports make it easy to route cable from front-to-back; vertical slots along the center separator neatly secure cable bundles
- Plastic Cable Guides meet UL 94V-0 Flame Resistant standards
- Innovative SwitchGate Door/Cover (front) is easily opened from the right or left and can be removed so that cable does not have to thread through guides
- Attach to Standard Racks, Universal Racks, QuadraRack or Adjustable QuadraRack frames
- Mounting hardware and doors are included

### Usable Depth

For 3"D (80 mm) Rack Version:

Front=5.90" (149.9 mm); Rear=5.35" (135.9 mm)

For 6"D (150 mm) Rack Version:

Front=7.40" (188.0 mm); Rear=6.85" (174.0 mm)

Part Number 3"D (80 mm) Racks	Height ft (m)	Depth in (mm)	Shipping Weight lb (kg)
<b>3.65"W (92.7 mm)</b>			
30161-X01	6 (1.8)	12.24 (311)	25 (11.3)
30161-X03	7 (2.1)	12.24 (311)	29 (13.2)
30161-X05	7.6 (2.3)	12.24 (311)	31 (14.1)
30161-X15	8 (2.4)	12.24 (311)	33 (15.0)
30161-X08	9 (2.7)	12.24 (311)	38 (17.2)
<b>6"W (150 mm)</b>			
30162-X01	6 (1.8)	12.24 (311)	29 (13.2)
30162-X03	7 (2.1)	12.24 (311)	34 (15.4)
30162-X05	7.6 (2.3)	12.24 (311)	37 (16.8)
30162-X15	8 (2.4)	12.24 (311)	39 (17.7)
30162-X08	9 (2.7)	12.24 (311)	44 (20.0)
<b>10"W (250 mm)</b>			
30163-X01	6 (1.8)	12.24 (311)	40 (18.1)
30163-X03	7 (2.1)	12.24 (311)	46 (20.9)
30163-X05	7.6 (2.3)	12.24 (311)	50 (22.7)
30163-X15	8 (2.4)	12.24 (311)	53 (24.0)
30163-X08	9 (2.7)	12.24 (311)	59 (26.8)

Part Number 6"D (150 mm) Racks	Height ft (m)	Depth in (mm)	Shipping Weight lb (kg)
<b>3.65"W (92.7 mm)</b>			
30164-X01	6 (1.8)	14.61 (371)	28 (12.7)
30164-X03	7 (2.1)	14.61 (371)	33 (15.0)
30164-X05	7.6 (2.3)	14.61 (371)	36 (16.3)
30164-X15	8 (2.4)	14.61 (371)	38 (17.2)
30164-X08	9 (2.7)	14.61 (371)	43 (19.5)
<b>6"W (150 mm)</b>			
30165-X01	6 (1.8)	14.61 (371)	33 (15.0)
30165-X03	7 (2.1)	14.61 (371)	38 (17.2)
30165-X05	7.6 (2.3)	14.61 (371)	41 (18.6)
30165-X15	8 (2.4)	14.61 (371)	44 (20.0)
30165-X08	9 (2.7)	14.61 (371)	49 (22.2)
<b>10"W (250 mm)</b>			
30166-X01	6 (1.8)	14.61 (371)	42 (19.1)
30166-X03	7 (2.1)	14.61 (371)	49 (22.2)
30166-X05	7.6 (2.3)	14.61 (371)	53 (24.0)
30166-X15	8 (2.4)	14.61 (371)	56 (25.4)
30166-X08	9 (2.7)	14.61 (371)	63 (28.6)

X=Color, 7=Black, E=Glacier White.

## CCS-EFX Combination Cabling Section With Extended Fingers

The CCS-EFX is a double-sided vertical cable management trough designed for use with most two- and four-post racks to manage cable at the cross connect, especially when using angled-face copper patch panels.

The CCS-EFX is manufactured from a combination of strong, lightweight aluminum sheet and plenum-rated composite materials for maximum strength at minimal weight. CCS-EFX is packaged in a single carton for easy handling and includes installation hardware.

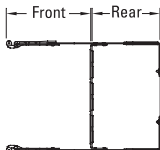
- Cable openings on the front are sized to fit 48 patch cords, twice the capacity of the CCS; openings have rounded edges to protect cable and will not deform or break
- Cable openings on front of CCS-EFX align with rack-mount unit on rack, allowing cables to exit by rack-mount unit
- The front door hinges open to the right or left and locks in the closed position to protect cables
- Open cabling section on the rear of CCS-EFX allows large premise cable bundles to exit the manager into the rack-mount space. Spin closure latches secure cables
- Attach to 3"D (80 mm) Standard Racks, Universal Racks or QuadraRack frames
- Mounting hardware and doors are included



Extended fingers of CCS-EFX



Hinged locking door



Usable Depth  
Front=8.60" (218.4 mm)  
Rear=5.35" (135.9 mm)

Part Number	Height ft (m)	Description H x W x D in (mm)	Shipping Weight lb (kg)
<b>6"W (150 mm)</b>			
40098-X03	7 (2.1)	14.94 (379.5)	38 (17.2)
40098-X05	7.6 (2.3)	14.94 (379.5)	41 (18.6)
40098-X15	8 (2.4)	14.94 (379.5)	44 (20.0)
<b>10"W (250 mm)</b>			
40099-X03	7 (2.1)	14.94 (379.5)	52 (23.6)
40099-X05	7.6 (2.3)	14.94 (379.5)	56 (25.4)
40099-X15	8 (2.4)	14.94 (379.5)	60 (27.2)
<b>12"W (300 mm)</b>			
40100-X03	7 (2.1)	14.94 (379.5)	56 (25.4)
40100-X05	7.6 (2.3)	14.94 (379.5)	60 (27.2)
40100-X15	8 (2.4)	14.94 (379.5)	64 (29.0)

X=Color; 7=Black, E=Glacier White.

## Global Vertical Cabling Section

An adaptable vertical cable management solution with a unique, two-piece design that reduces shipping size and cost. The two parts can be quickly assembled and then bolted to CPI's Universal and Standard racks, as well as QuadraRack and Adjustable QuadraRack frames. It ships partially assembled with patented cable guide fingers at 1U intervals. Each single-sided section includes a two-piece section, a two-piece door/cover and mounting hardware. Each double-sided section is a one-piece section and two-piece door/cover.

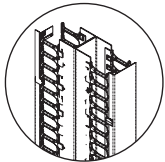
- Cable guide fingers at 1U intervals provide an organized pathway for cable and patch cords; 7"H (2.1 m) provides 45U
- Snap-on, hinged door/cover hides cable for a finished appearance, yet allows quick access to cable for making changes
- Door/cover swings on hinges to open left or right
- Acorn nuts eliminate sharp edges, reducing injuries and torn cables
- Seven 2.5" (64 mm) pass-through ports allow cables to transition front to back
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

Part Number	Description Width in (mm)	Shipping Weight lb (kg)
12830-X03	Single-Sided, 7'H x 3.65"W x 6.76"D, Narrow (2.1 m x 92.7 mm x 171.7 mm)	16 (7.3)
12832-X03	Single-Sided, 7'H x 3.65"W x 9.30"D, Narrow (2.1 m x 92.7 mm x 236.2 mm)	18 (8.2)
12831-X03	Single-Sided, 7'H x 6"W x 6.76"D, Wide (2.1 m x 150 mm x 171.7 mm)	19 (8.6)
12833-X03	Single-Sided, 7'H x 6"W x 9.30"D, Wide (2.1 m x 150 mm x 236.2 mm)	22 (10.0)
12834-X03	Single-Sided, 7'H x 10"W x 6.76"D, Wide (2.1 m x 250 mm x 171.7 mm)	26 (11.8)
12835-X03	Single-Sided, 7'H x 10"W x 9.30"D, Wide (2.1 m x 250 mm x 236.2 mm)	28 (12.7)
14830-X03	Double-Sided, 7'H x 3.65"W x 13.52"D, Narrow (2.1 m x 92.7 mm x 343.4 mm)	32 (14.5)
14831-X03	Double-Sided, 7'H x 6"W x 13.52"D, Wide (2.1 m x 150 mm x 343.4 mm)	39 (17.7)
14832-X03	Double-Sided, 7'H x 10"W x 13.52"D, Wide (2.1 m x 250 mm x 343.4 mm)	47 (21.3)

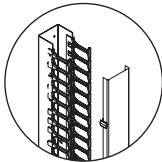
X=color: 5=Clear, 7=Black, E=Glacier White. Clear (-5XX) versions are only available in Double-Sided versions, and have black doors/covers and cable guides.

## Cable Rings For GVCS

Part Number & Finish		Description	Shipping Weight lb (kg)
Black	Glacier White		
12836-701	12836-E01	3.65"W (92.7 mm) Rings	4 (1.8)
12836-702	12836-E02	6"W (150 mm) Rings	5 (2.3)
12836-703	12836-E03	10"W (250 mm) Rings	7 (3.2)



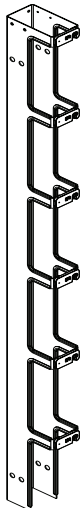
Double-Sided



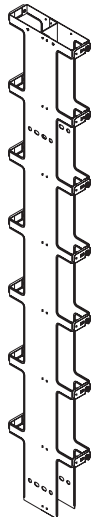
Single-Sided



Rings shown attached to GVCS



11730-X03  
Single-Sided Narrow



12096-X03  
Double-Sided Narrow

## Narrow Vertical Cabling Section

- Bolts to CPI Standard Rack, Universal Rack, QuadraRack 4-Post Frame and QuadraRack Server Frame
- Includes formed cabling section, lockable cabling latches - 12" (300 mm) between latches, protective edge guards and mounting hardware

### Single-Sided:

- 9' (2.7 m) version consists of a 7' (2.1 m) section and 2' (0.6 m) extension

### Double-Sided:

- 1.38" x 2.25" (35.1 mm x 57.2 mm) oval pass-through ports every 11.62" (295.1 mm)
- 9' (2.7 m) version consists of 7' (2.1 m) section with a 2' (0.6 m) extension
- Mounting hardware included

Part Number	Description Width in (mm)
11730-X00	5.6 (1.7 m) H x 3.65"W x 6.38"D (92.7 mm x 162.1 mm), SS
11730-X01	6' (1.8 m) H x 3.65"W x 6.38"D (92.7 mm x 162.1 mm), SS
11730-X02	6.6 (2.0 m) H x 3.65"W x 6.38"D (92.7 mm x 162.1 mm), SS
11730-X03	7' (2.1 m) H x 3.65"W x 6.38"D (92.7 mm x 162.1 mm), SS
11730-X05	7.6' (2.3 m) H x 3.65"W x 6.38"D (92.7 mm x 162.1 mm), SS
11730-X15	8' (2.4 m) H x 3.65"W x 6.38"D (92.7 mm x 162.1 mm), SS
11730-X08	9' (2.7 m) H x 3.65"W x 6.38"D (92.7 mm x 162.1 mm), SS
12096-X03	7' (2.1 m) H x 3.65"W x 12.75"D (92.7 mm x 323.9 mm), DS
12096-X15	8' (2.4 m) H x 3.65"W x 12.75"D (92.7 mm x 323.9 mm), DS
12096-X08	9' (2.7 m) H x 3.65"W x 12.75"D (92.7 mm x 323.9 mm), DS

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White.



11734-X03  
Single-Sided Wide



12096-X03  
Double-Sided Narrow

## Wide Vertical Cabling Section

- Bolts to CPI Standard Rack, Universal Rack, QuadraRack 4-Post Frame and QuadraRack Server Frame

### Single-Sided:

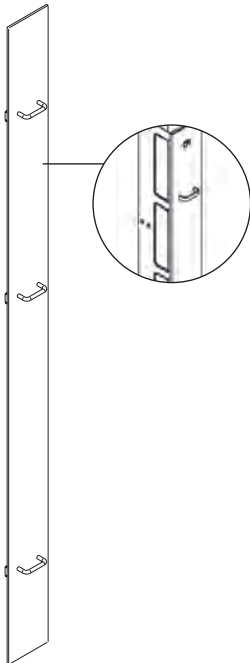
- 6"W x 6.38"D (150 mm x 162.1 mm); single-sided cable trough
- 9' (2.7 m) version consists of 7' (2.1 m) section with a 2' (0.6 m) extension

### Double-Sided:

- 2.5" (64.0 mm) diameter pass-through ports every 11.62" (295.1 mm)
- 9' (2.7 m) version consists of a 7' (2.1 m) section with a 2' (0.6 m) extension
- Mounting hardware included

Part Number	Description Width in (mm)
11374-X00	5.6 (1.7 m) H x 6"W x 6.38"D (150 mm x 162.1 mm)
11374-X01	6' (1.8 m) H x 6"W x 6.38"D (150 mm x 162.1 mm)
11374-X02	6.6 (2.0 m) H x 6"W x 6.38"D (150 mm x 162.1 mm)
11374-X03	7' (2.1 m) H x 6"W x 6.38"D (150 mm x 162.1 mm)
11374-X05	7.6' (2.3 m) H x 6"W x 6.38"D (150 mm x 162.1 mm)
11374-X15	8' (2.4 m) H x 6"W x 6.38"D (150 mm x 162.1 mm)
11374-X08	9' (2.7 m) H x 6"W x 6.38"D (150 mm x 162.1 mm)
11729-X03	7' (2.1 m) H x 6"W x 12.75"D (150 mm x 323.9 mm), DS
11729-X15	8' (2.4 m) H x 6"W x 12.75"D (150 mm x 323.9 mm), DS
11729-X08	9' (2.7 m) H x 6"W x 12.75"D (150 mm x 323.9 mm), DS

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White.



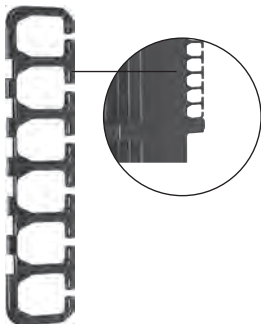
### Cabling Section Cover

Designed to be used on narrow and wide Vertical Cabling Sections to provide a clean, professional appearance. Available in metal or plexiglass versions; plexiglass for 7" (2.1 m) only; in sizes to fit your installation.

- Hides cables
- Provides professional appearance
- Quick attachment and removal
- For use with vertical cabling sections only

Part Number	Height ft (m)	Description/Style	Shipping Weight lb (kg)
<b>3.65"W (92.7 mm)</b>			
12664-X02	7 (2.1)	Metal	8 (3.6)
11923-X05	7.6 (2.3)	Metal	4 (1.8)
11923-X15	8 (2.4)	Metal	5 (2.3)
11923-X08	9 (2.7)	Metal	5 (2.3)
<b>6"W (150 mm)</b>			
12664-X01	7 (2.1)	Metal	9 (4.1)
11922-X05	7.6 (2.3)	Metal	7 (3.2)
11922-X15	8 (2.4)	Metal	7 (3.2)
11922-X08	9 (2.7)	Metal	8 (3.6)

X=color: 7=Black, E=Glacier White



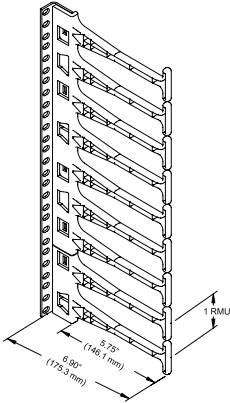
### Finger Snaps Cable Guides

Adding Finger Snaps Cable Guides is a snap. The unique design provides retrofit cable guides in-between the latches on VCS Vertical Cabling Sections or CCS Combination Cabling Sections.

- Plastic cable guides that easily retrofit onto CPI VCS Vertical Cabling Sections or CCS Combination Cabling Sections
- Resilient composite material ensures long lasting, quality construction
- Extra-wide and contoured guides allow smooth transition of the cable from the horizontal pathway into a CPI cabling section
- 1U cable guides are designed for fanning and managing patch cords or cables
- Meets UL 94V-0 Flame Resistant standards

Part Number	Description	Shipping Weight lb (kg)
12370-001	2 Finger Snaps, Black	1 (0.5)
12370-002	12 Finger Snaps, Black	2 (0.9)





## Extended Fingers Bracket

Extended Fingers Bracket provides extra-deep cable management capacity and improves cable bend radius management, meeting or exceeding the needs of the latest Category 5e/6/6a or fiber industry standards. It is a cost-effective accessory for cable management in specific areas of the rack, rather than along its entire height.

- Preassembled in 7U, 9U and 13U heights for mounting directly onto any industry-standard rack
- Cable guide fingers at 1U intervals provide an organized cable pathway
- Made of durable, flame-retardant (UL 94V-0) plastic for environmental safety
- Also compatible with accessory cable management finger kits for SeismicFrame Two-Post Rack, Adjustable Rail QuadraRack and Adjustable Rail ServerRack see P/N 13696-00X and 15286-0XX, respectively)

Part Number	Description	Shipping Weight lb (kg)
12891-X03	7U, Each	2 (0.9)
12891-X01	9U, Each	4 (1.8)
12891-X02	13U, Each	4 (1.8)

X=color: 7=Black, E=Glacier White.



## Tool-less Bend Radius Kit for Fiber Patch Cords

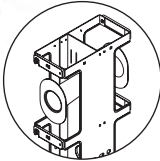
Tool-less Bend Radius Kit for Fiber Patch Cords ensures proper bend radius support for fiber optic patch cords when transitioning through T-shaped cable guides. It snaps onto the finger manager without any tools, and can be used for new or retrofit applications. Color is Black.

- Compatible with Evolution and Motive Cable Management
- Also compatible with accessory cable management finger kits for SeismicFrame Two-Post Rack, Adjustable Rail QuadraRack and Adjustable Rail ServerRack (see P/N 13696-00X and 15286-0XX, respectively)

Part Number	Description	Shipping Weight lb (kg)
32697-001	Tool-less Bend Radius Kit, Pack of 10	1 (0.5)
32697-002	Tool-less Bend Radius Kit, Pack of 50	3 (1.4)



Spools mounted on a double-sided vertical cabling section



## Cable Distribution Spools

ECable Distribution Spools provide slack management and strain relief for patch cords and jumper cables inside CPI Vertical Cable Managers. Designed for use inside any CPI double-sided vertical cable manager 10"W and wider, including VCS, MCS, MCS-EFX, CCS, CCS-EFX and Evolution Double-Sided Vertical Cable Manager. Also compatible with Evolution Single-Sided Vertical Cable Manager.

- Three large cable distribution spools are included with each 10", 12" and 15"W (250 mm, 300 mm and 380 mm) vertical cable manager (will not fit other sizes)
- Attaches to the fixed adapter panels on the back of single-sided vertical cable managers and the Movable Mid-Sections inside the double-sided vertical cable managers
- Spools are 2.75" (69.9 mm) in diameter, 5.9"L (150 mm) and made from black plastic
- Each kit includes four spools and mounting hardware
- Made of high-impact, flame retardant material

Part Number	Description	Shipping Weight lb (kg)
15008-001	Spool Kit, Black	2 (0.9)

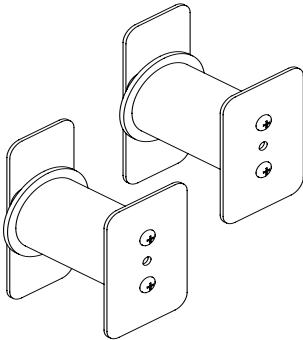
## 2" (50 mm) Diameter Fiber Management Spools

Use the 2" (50 mm) Diameter Fiber Management Spool to support fiber and copper cables within CPI's extensive line of vertical cabling sections. The spools meet EIA/TIA bend radius requirements, and minimize cable tangles and tears for more efficient data transmission.

- Provides proper cable support and bend radius for more efficient data transmission
- Maintains strength under heavy cable loads
- Mounts to all CPI vertical cabling sections 6"W (150 mm) or wider, including MCS, MCS-EFX, CCS, CCS-EFX and VCS

Part Number	Application Width in (mm)	Package Of	Shipping Weight lb (kg)
<b>3.65"W (92.7 mm)</b>			
12766-X02	For 6, 10 or 12 (150, 250 or 300) Double-Sided Cabling Sections	2	2 (0.9)
12766-X07	For 6, 10 or 12 (150, 250 or 300) Double-Sided Cabling Sections	7	5 (2.3)

X=color: 7=Black, E=Glacier White



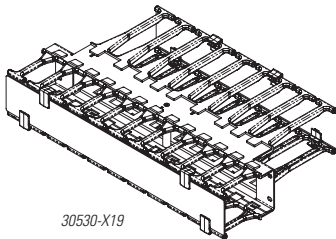


## Universal Horizontal Cable Manager

Create a highly functional horizontal pathway for patch cords and multimedia applications using coax, copper and fiber optic cables. After routing the cables or cords, simply snap-on the cover for a clean, professional appearance.

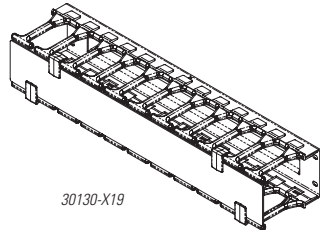
- Extra-wide and contoured cable guide fingers, spaced 1.75" (44.5 mm) apart, separate and organize patch cords for quick and easy moves, adds and changes.
- The cable guides are offset to ensure proper bending radii of patch cables, even hooded patch cables
- Patented fingers meet the requirements of UL 94V-0 flammability rating
- Snap-on covers are easy to use and open 180° up or down with adjacent installation
- Covers and panel have a black powder-coat textured finish, reducing fingerprints and smudges
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

## Double-Sided Universal Horizontal Cable Manager

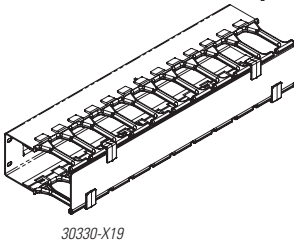


Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
30529-X19	1U x 19 x 11.73 (297.9)	5 (2.3)
30529-X23	1U x 23 x 11.73 (297.9)	6 (2.7)
30530-X19	2U x 19 x 11.73 (297.9)	6 (2.7)
30530-X23	2U x 23 x 11.73 (297.9)	7 (3.2)
30531-X19	3U x 19 x 11.73 (297.9)	6 (2.7)
30531-X23	3U x 23 x 11.73 (297.9)	7 (3.2)

X=color: 7=Black, E=Glacier White.



## Single-Sided Universal Horizontal Cable Manager



Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
30139-X19	1U x 19 x 4.96 (126.0)	2 (0.9)
30139-X23	1U x 23 x 4.96 (126.0)	3 (1.4)
30130-X19	2U x 19 x 5.14 (130.6)	3 (1.4)
30130-X23	2U x 23 x 5.14 (130.6)	4 (1.8)
30131-X19	3U x 19 x 5.14 (130.6)	4 (1.8)
30131-X23	3U x 23 x 5.14 (130.6)	5 (2.3)
30339-X19*	1U x 19 x 6.26 (159.0)	3 (1.4)
30339-X23*	1U x 23 x 6.26 (159.0)	3 (1.4)
30330-X19*	2U x 19 x 6.44 (163.6)	4 (1.8)
30330-X23*	2U x 23 x 6.44 (163.6)	5 (2.3)
30331-X19*	3U x 19 x 6.44 (163.6)	5 (2.3)
30331-X23*	3U x 23 x 6.44 (163.6)	6 (2.7)

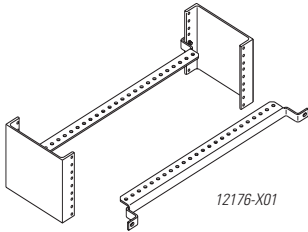
X=color: 7=Black, E=Glacier White. \*Note: Deep Panel is used when Double-Sided MCS Master Cabling Sections are center-mounted on 3'D racks.

Use Universal Horizontal Cable Manager in conjunction with the CPI Patch Panel Wire Management Bar (P/N 12176-X01) and any of CPI's vertical cabling sections for clean, organized cable management.

## Horizontal Cable Management Accessories

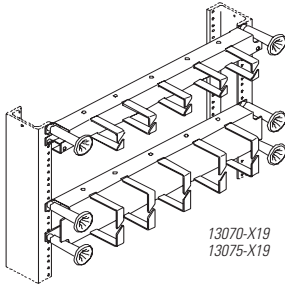
### Patch Panel Wire Management Bar

19" rack-mountable bar provides the necessary wire management and strain relief recommended by ANSI/TIA/EIA. May be mounted inward for 6" (150 mm) channel or outward to standard 3" (80 mm) rack side channel; attaches to rack with standard #12-24 rack screws (not included). Wire tie holes maintain wire perpendicular relative to termination point; made of sturdy aluminum and sold individually.



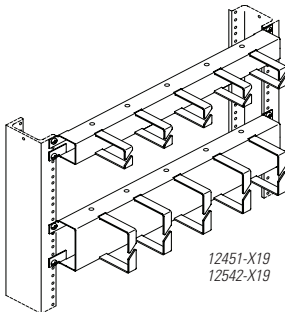
### Horizontal Wire Management Panel for VCS

19" Wire Management Panel is offset 1.5" (38 mm) from the rack channel to ensure proper bending radii of patch cables, even hooded patch cables. Use in combination with VCS Vertical Cabling Sections. Unique offset design provides patch cable pathway from front-to-back or side-to-side. Available in single 1.75" (44.5 mm) or double 3.5" (89.0 mm) rack-mount unit designs. Mounts quickly and easily using threaded cable distribution spools; cable distribution spools maintain bend radius through the pass-through trough and across the front plane of the horizontal manager.



### Horizontal Wire Management Panel for MCS and CCS

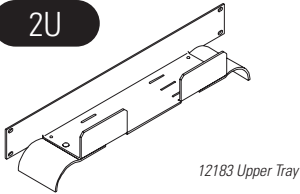
Use in combination with MCS Master Cabling Section and CCS Combination Cabling Section to provide open horizontal management for cables.



Part Number	Description Width - in (mm)	Shipping Weight lb (kg)
12176-X01	Patch Panel Wire Mangement Bar	1 (0.5)
13070-X19	Horizontal Wire Panel for VCS, 1U	2 (0.9)
13075-X19	Horizontal Wire Panel for VCS, 2U	2 (0.9)
12541-X19	Horizontal Wire Panel for MCS/CCS, 1U	2 (0.9)
12542-X19	Horizontal Wire Panel for MCS/CCS, 2U	2 (0.9)

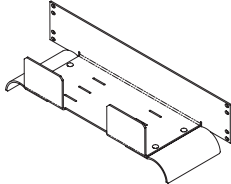
X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White.

2U



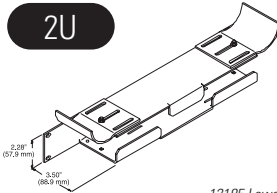
12183 Upper Tray

2U



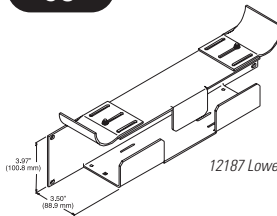
13183 Deep Upper Tray

2U

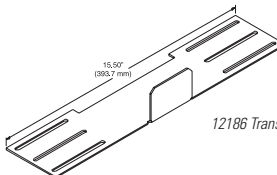


12185 Lower Tray, Single

3U



12187 Lower Tray, Double



12186 Transition Plate

## Jumper and Transition Trays

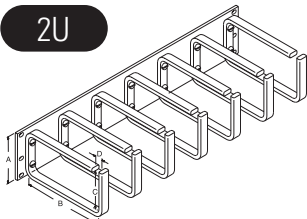
The Jumper and Transition Trays aid in compliance with ANSI/TIA/EIA-568B bend radius requirements. Two styles are available to provide upper and lower horizontal/vertical cable management and promote a gradual, controlled bend for both UTP and optical fiber cable. Adjust the position of the bend radius to deliver cables into the vertical cable manager or attach a transition plate between trays to create a solid wire way between racks. Mounting screws not included. Sold individually.

- Provides 1-1/2" (38 mm) bend radius for compliant installation of Category 5e/6/6a or fiber cable
- Telescopes to adjust cable entry or exit position
- Mounts on 19" or 23" rack; may also be wall-mounted
- Strong lightweight aluminum construction

Part Number		Description	Shipping Weight lb (kg)
19"	23"		
12183-X19	12183-X23	Upper Tray, 3.5"D (89 mm)	3 (1.4)
13183-X19	13183-X23	Upper Tray, 6"D (150 mm)	4 (1.8)
12185-X19	12185-X23	Lower Tray, Single, 3.5"D (89 mm)	4 (1.8)
12187-X19	12187-X23	Lower Tray, Double, 3.5"D (89 mm)	5 (2.3)
12186-X01	N/A	Transition Plate, 15.5"L (394 mm)	2 (0.9)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White.

2U



A 3.47" (88.1 mm)  
 B 6.20" (152.4 mm)  
 C 2.85" (72.4 mm)  
 D 0.56" (14.2 mm)

## Large Horizontal Ring Panel

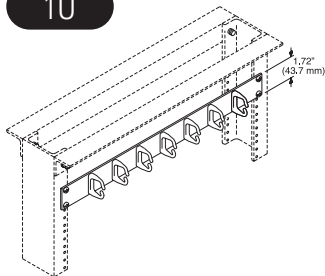
Used to organize horizontal cable runs. Large 2.8"H (71 mm) by 6"W (150 mm) heavy duty aluminum rings with rounded edges protect cable sheaths and will not bind during installation. Rings are bolted onto panels, so they can be added or removed as needed. 19" and 23" wide rack panel options come pre-assembled with seven equally spaced rings.

- 2.8"H x 6"W (71 mm x 150 mm) heavy duty aluminum rings
- Rings can be added or removed as needed
- Installation hardware not included
- Shipping weight approximately 5 lb (2.3 kg)

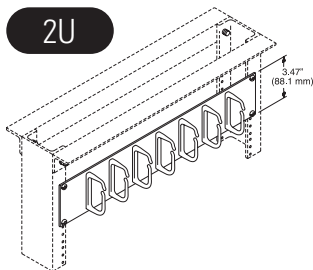
Part Number		Description
19"	23"	
11564-X19	11564-X23	Ring Panel

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White.

1U



2U



## Rack Cabling Managers

Used to organize horizontal cable and wire runs. Two sizes of slotted plastic rings provide ample room to hold all types and sizes of wiring and cabling.

- Easy to install on equipment racks
- Installation hardware not included

Part Number	Description Width - in (mm)
11752-X19	19"W Rack, 1U, 1.6 x 1.3 (41 x 33) Rings
11752-X23	23"W Rack, 1U, 1.6 x 1.3 (41 x 33) Rings
11753-X19	19"W Rack, 2U, 3 x 1.6 (80 x 41) Rings
11753-X23	23"W Rack, 2U, 3 x 1.6 (80 x 41) Rings

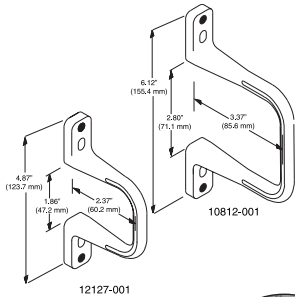
X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White.

## Slip-On Cover, Ring Panel

The Slip-On Cover is used on the Large Horizontal Ring Panel, P/N 11564-XXX. Sold individually.

Part Number	Description Width - in (mm)	Shipping Weight lb (kg)
11764-X19	Slip-On Cover, 19"W,	2 (0.9)

X=color: 1=Gray, 7=Black, E=Glacier White  
 Also available in 23"W (-X23) and 25"W (-X25).



## Closed Composite Distribution Rings

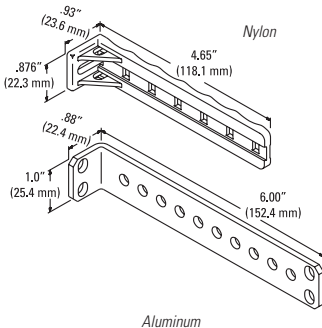
With Distribution Rings, all your wiring and cabling can now be neatly and easily organized and managed. Designed to support cable and wire in communication closets, on backboards, equipment racks or wherever cable runs are required. The versatile brackets are made of high-strength, fire-retardant composite material. Rounded edges prevent damage to cable and wire insulation, while providing easy pull-through.

Mounting hole configuration allows brackets to be attached to most surfaces, including CPI equipment racks. Color is compatible with most equipment. Mounting hardware not included.

- Strong, lightweight, fire-retardant composite material construction
- Easy to install onto CPI equipment racks or backboards
- Rounded shape eliminates cable nicks, great for wire pulling

Part Number		Description	Shipping Weight lb (kg)
Each	Box of 100		
12127-001	12127-011	2 (50) Closed "D" Ring	6 (2.7)
10812-001	10812-011	3 (80) Closed "D" Ring	9 (4.1)

Color is gray. Shipping Weights are for Box of 100.



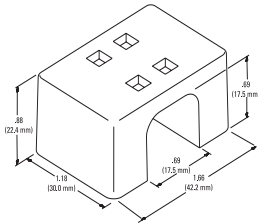
## Stand-Off Tie Bracket

These brackets mount to the back of the rack channel to provide a convenient point to tie-down cable runs.

- Choice of either non-conductive nylon or high-strength aluminum
- Either end of the aluminum bracket can be attached to rack, allowing cabling to run several different ways
- Mounting hardware not included

Part Number		Description	Shipping Weight lb (kg)
Each	Box of 50		
10001-001	10001-050	1 x 5 (30 x 130), White Nylon	3 (1.4)
10559-X00	10559-X50	1 x 6 (30 x 150), Aluminum	5 (2.3)

X=color: 1=Gray, 5=Clear, 7=Black, E=Glacier White. Shipping Weights are for Box of 50.

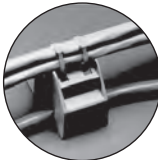
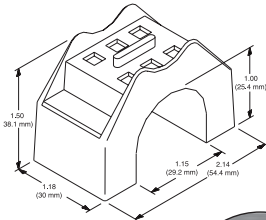


### Mag-Clips, Medium Sized

The medium-sized 17000 and 17100 magnetic clips are designed to hold a 25-pair cable or several electrical cords. Keeps cables within workstation areas neat and off of the floor to reduce the chance of accidents. Nylon cable ties can be laced through the four square holes in the top of the 17000 series to secure additional cables.

Part Number		Description	Shipping Weight lb (kg)
Each	Box of 50		
17000-000	17000-050	Clip With Holes	7 (3.2)
17100-000	17100-050	Clip Without Holes	7 (3.2)

Color is Gray. Shipping Weights are for Box of 50.



### Mag-Clips, Large

This larger clip holds a 100-pair telephone cable or up to 1" (30 mm) diameter tubing. There are also holes provided to lace additional cords to the top of the clip. The amount of direct pull required to separate the clips from a painted steel surface averages 15 lb (67 kg).

Part Number		Description	Shipping Weight lb (kg)
Each	Box of 25		
17500-000	17500-020	Clip	7 (3.2)

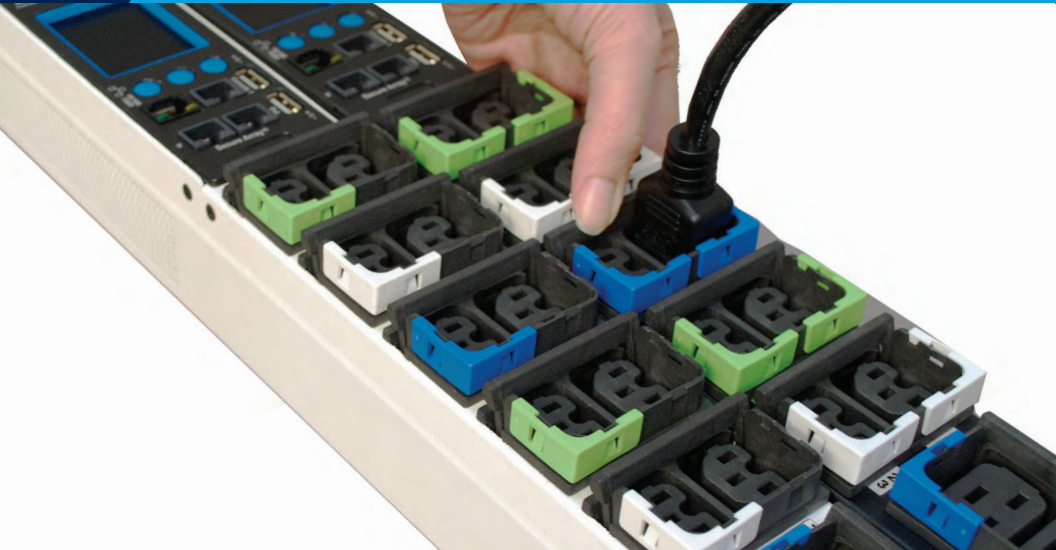
Color is Gray. Shipping Weights are for Box of 25.



## SECTION 4

# POWER, MONITORING & SECURITY

eConnect® Power Distribution Units .....	4-3	eConnect PDU Accessories .....	4-34
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*Learn about CPI's Standard Limited Warranty and Extended Limited Warranties  
See page vii for details*

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# POWER, MONITORING & SECURITY

CPI's Power, Monitoring and Security Systems provide a variety of products to meet the need for power management, security and monitoring within the data center. Vertical and horizontal Intelligent PDUs are available in over 350 standard configurations to meet all your powering requirements.

## Where Can I Learn More?

To learn more about CPI's Power, Monitoring & Security Products, or to find additional part numbers not listed in this catalog, please visit our website, [chatsworth.com](http://chatsworth.com).

## Related Tools:

Use these tools, under the Resources tab on [chatsworth.com](http://chatsworth.com), to simplify your planning, selection, order and purchase of CPI Power Monitoring & Security Products.

- CPI Power Selector
- eConnect® Secure Array® Savings Estimator
- eConnect Online Demo
- eConnect PDU Software Demo
- BIM Drawings

## Featured Products:

### Lead Acid Online UPS, 5kVA–8kVA, 3-Phase

Modular, flexible entry-level three-phase power solution providing continuous power availability and high-efficiency for critical server, network and branch office applications.

- Available models: 5kVA/5kW, 8kVA/8kW
- Tower, wall, two-post, and four-post rack mounting configurations



### eConnect® Power Distribution Units (PDU)

- Customer-specified, factory-assembled solution reduces component count, packaging and on-site assembly, saving time and delivery cost
- Order a cabinet integrated with power, cable and thermal management preinstalled under a unique, project-specific part number
- High Power Configurations supporting up to 100A input provide an optimized solution for GPU & AI based applications. 30A branch circuit breakers provide flexibility when plugging high power IT equipment.



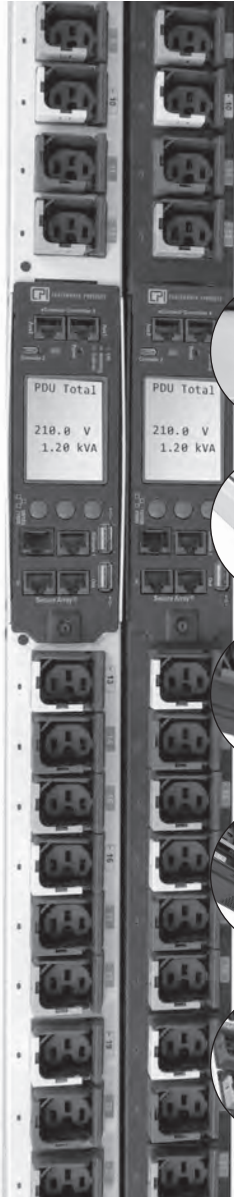
eConnect

## CPI's Intelligent eConnect® Vertical PDUs

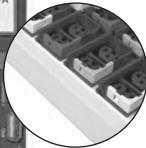
Available in over 350 standard configurations—provide users with a variety of high-performance features and benefits that can help solve application needs from big to small, low to high density and in traditional or nontraditional environments.

No other PDU offers the broad application versatility of CPI's eConnect. Designed to simplify deployment, installation and service, eConnect PDUs have helped to power and protect ICT equipment in countless applications and sites thanks to CPI's industry wide high performance and reliability.

Use Vertical eConnect PDUs in data centers and equipment rooms with 42U or higher racks, cabinets and enclosures to provide power connections alongside equipment for higher-density applications. Use Redundancy Pack to support redundant power circuits.



**Hydraulic-Magnetic Breakers**



**Color-Coded tabs on outlets**



**Status LED Light**



**Field-Replaceable Controller Module**

*Note: Basic Vertical eConnect PDUs do not have Field Replaceable Modules*



**Locking Outlets**



**Field-Replaceable Controller Module**

- 1 Proprietary Auxiliary Ports for Lock Kits
- 2 Serial Console port - USB Mini Type B
- 3 Status LED
- 4 Ethernet port - RJ45
- 5 Serial Console port - RJ45
- 6 USB Type A ports for Firmware and Temperature/ Humidity Sensors
- 7 Secure Array Ports - RJ45 - for linking of up to 48 PDUs
- 8 LCD Local Display

## CPI's Intelligent eConnect Horizontal PDUs

Use Horizontal eConnect PDUs in applications that require outlets at the top or bottom of cabinets for quick access, low- to medium-density applications that require fewer connections and in distributed infrastructure for edge applications. Horizontal PDUs are available in 1U and 2U heights with up to 24 outlets.



**Preinstalled Adjustable Depth Mounting Brackets**



**Hydraulic-Magnetic Breakers**



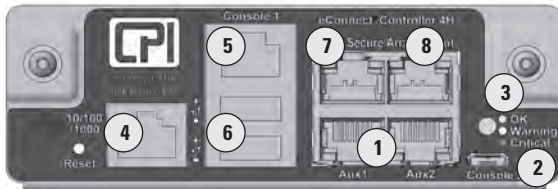
**Field-Replaceable Controller Module**



**Locking Receptacle Outlets with Color Coding**

*Note: Basic Horizontal eConnect PDUs do not have Field-Replaceable Modules*

### Field-Replaceable Controller Module



*Note: Horizontal eConnect PDUs do not have a LCD Local Display.*

- 1 Proprietary Auxiliary Ports
- 2 Console 2 Port - USB
- 3 Status LED
- 4 Ethernet Port - RJ45
- 5 Console 1 Port - RJ45
- 6 USB Type A Ports for Firmware and Temperature/Humidity Sensors
- 7 Secure Array/PDU Linking/Serial Port (link-in)
- 8 Secure Array/PDU Linking/Serial Port (link-out)

## eConnect PDU Selection Guide

The first step when selecting a rack PDU is to identify the level of functionality. The chart below summarizes the monitoring and control differences.

eConnect Model	Basic Power Distribution	Inlet Metering	Branch Circuit Metering	Remote Access	Access Control	Outlet Metering	Switched Outlets	High-Power Units*
<b>Basic</b>	✓							✓
<b>Metered</b>	✓	✓						✓
<b>Monitored</b>	✓	✓	✓	✓	✓			✓
<b>Monitored Pro</b>	✓	✓	✓	✓	✓	✓		✓
<b>Switched</b>	✓	✓	✓	✓	✓		✓	
<b>Switched Pro</b>	✓	✓	✓	✓	✓	✓	✓	✓

\* **Notes: High Power Configurations** – Configurations supporting up to 100A Input provide an optimized solution for GPU & AI based applications. 30A branch circuit breakers provide flexibility when plugging high power IT equipment.



The Power Selector enables you to select the best power product for your application by narrowing down options based on your requirements. After you're done comparing, you can email or print the results. Visit [selectapdu.com](https://selectapdu.com) to access the Power Selector.



**Vertical and Horizontal Options Available**

**Basic eConnect PDUs provide reliable power distribution in high-density applications where no power monitoring is required.**

#### Resistance to High Temperature

Market-leading temperature ratings of up to 149°F (65°C) ensures reliability when mounted toward hot aisles.

#### Simplified Load Balancing

Phase-balance outlets on three-phase models ensure equal loading across all phases; allows use of shorter equipment power cords for better cable and airflow management .

#### No Accidental Disconnections

Patented, low-profile locking outlets prevent accidental disconnections without requiring special cords.

#### Easy Identification of Failover Unit

Redundancy Pack includes 2 PDUs (one in Black and one in Glacier White) for easy identification of the primary and secondary unit.

#### Latest UL Compliance

Meets UL and IEC 62368 for compliance with new listing requirements for North America and the European Union.

#### Cabinet Preinstallation

Complete ecosystem ships ready for IT equipment integration. Saves deployment time and reduces packaging waste.

#### High Power Configurations

Configurations supporting up to 100A Input provide an optimized solution for GPU & AI based applications. 30A branch circuit breakers provide flexibility when plugging high power IT equipment.

## Basic eConnect PDU

### Additional Features:

- Breaker and outlet groups are color-coded in multi-breaker units for easy identification
- Universal tool-less mounting features
- Customization capabilities: outlet configurations, color options, power cord length, input connection types and more
- Made in the United States, TAA-compliant

### Specifications:

- Single-input, vertical and horizontal rack-mount PDUs
  - Circuit Protection:
    - UL 489 listed, single- or two-pole, hydraulic-magnetic breakers available on single- and three-phase models with 30A and above input
    - 30A Breakers for 208V, 100A, 415V, 60A and 415V, 100A configurations
    - Low-profile design prevents accidental disconnections
  - Power Input:
    - Alternating current, 50/60 Hz, 10 ft (3 m) input cord or Terminal Block available as standard; custom lengths between 3 - 15 ft. available
    - Voltage, maximum current, and inlet/plug type varies per model (see ordering table)
  - Power Output:
    - NEMA 5-20R, Locking IEC C13 and/or IEC C19 Outlets, specific to PDU with up to 54 outlets (see order table)
  - Mounting:
    - Vertical PDUs: (2) preinstalled tool-less mounting buttons; adjustable positions, top or bottom power cord entry orientation
    - Horizontal PDUs: Include rack-mount brackets for 19" EIA (482.6 mm) racks
  - Bonding/Grounding:
    - Bonded power inlet/plug and external bond connection with a threaded M5 attachment point
    - Includes a bonding kit for CPI cabinets
  - Operating Conditions:
    - Temperature: 32°F – 149°F (0°C – 65°C) at Input Power Rating (kW)
    - Relative Humidity: 5% – 95%, noncondensing
    - Elevation: 0 – 10,000 ft (0 – 3,000 m)
  - Shipping Weights:
    - Vertical PDUs: 27 lb (12 kg) single unit; 54 lb (24 kg) Redundancy Pack
    - Horizontal PDUs: 1U is 18 lb (8.2 kg) single unit; 35 lb (15.9 kg) Redundancy Pack; 2U is 23 lb (10.4 kg) single unit; 45 lb (20.4 kg) Redundancy Pack
  - Warranty: 3 years standard with advanced replacement; 2 additional years optional
  - Patent: [chatsworth.com/patents](http://chatsworth.com/patents)
- Certifications:**
- NEMKO certified to UL/IEC62368, CE (EU), FCC Part 15, Class A, EN 55022, RoHS Compliant

# BASIC ECONNECT® PDU – VERTICAL

Basic eConnect PDU, Vertical - North America							
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity (UL)	Cabinet Capability
Black	Glacier White	Redundancy Pack**					
<b>120 Volt, Single-Phase Input</b>							
EO-1001-C	EO-1001-E	EO-1001-CE	20A	C20 Inlet to L5-20	(24) 5-20	1.9 kW	42U & higher
EO-1002-C	EO-1002-E	EO-1002-CE	30A	L5-30	(24) 5-20	2.9 kW	42U & higher
<b>208 Volt, Single-Phase Input</b>							
EO-1003-C	EO-1003-E	EO-1003-CE	20A	C20 Inlet to L6-20	(24) C13	3.3 kW	42U & higher
EO-1004-C	EO-1004-E	EO-1004-CE	30A	L6-30	(24) C13	5 kW	42U & higher
EO-1015-C	EO-1015-E	EO-1015-CE	30A	L6-30	(36) C13 + (6) C19	5 kW	42U & higher
<b>120/208 Volt, Three-Phase Input</b>							
EO-1013-C	EO-1013-E	EO-1013-CE	20A	L21-20	(30) C13 + (6) C19 + (6) 5-20	5.7 kW	42U & higher
EO-1017-C	EO-1017-E	EO-1017-CE	20A	L21-20	(36) C13 + (6) C19	5.7 kW	42U & higher
EO-1014-C	EO-1014-E	EO-1014-CE	30A	L21-30	(30) C13 + (6) C19 + (6) 5-20	8.6 kW	42U & higher
EO-1018-C	EO-1018-E	EO-1018-CE	30A	L21-30	(36) C13 + (6) C19	8.6 kW	42U & higher
<b>208 Volt, Three-Phase Input</b>							
EO-1016-C	EO-1016-E	EO-1016-CE	30A	L15-30	(36) C13 + (6) C19	8.6 kW	42U & higher
EO-1007-C	EO-1007-E	EO-1007-CE	50A	CS8365	(30) C13 + (12) C19	14.4 kW	42U & higher
EO-1019-C	EO-1019-E	EO-1019-CE	50A	CS8365	(36) C13 + (6) C19	14.4 kW	42U & higher
EO-1125-C	EO-1125-E	EO-1125-CE	50A	CS8365	(54) C13	14.4 kW	45U & higher
EO-1008-C	EO-1008-E	EO-1008-CE	60A	IEC 60309 60A 3P+E	(30) C13 + (12) C19	17.2 kW	42U & higher
EO-1020-C	EO-1020-E	EO-1020-CE	60A	IEC 60309 60A 3P+E	(36) C13 + (6) C19	17.2 kW	42U & higher
EO-1033-C	EO-1033-E	EO-1033-CE	60A	IEC 60309 60A 3P+E	(12) C13 + (18) C19	17.2 kW	42U & higher
EO-1126-C	EO-1126-E	EO-1126-CE	60A	IEC 60309 60A 3P+E	(54) C13	17.2 kW	45U & higher
EO-1089-C	EO-1089-E	EO-1089-CE	100A	IEC60309 100A 3P+E	(30) C13 +(12) C19	28.8kW	42U & higher
EO-1011-C	EO-1011-E	EO-1011-CE	100A	AC Terminal Block 3P4W	(30) C13 + (12) C19	28.8kW	42U & higher
<b>240/415 Volt, Three-Phase Input</b>							
EO-1021-C	EO-1021-E	EO-1021-CE	30A	L22-30	(36) C13 + (6) C19	17.2 kW	42U & higher
EO-1127-C	EO-1127-E	EO-1127-CE	30A	L22-30	(54) C13	17.2 kW	45U & higher

Notes:\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



The Power Selector enables you to select the best power product for your application by narrowing down options based on your requirements. After you're done comparing, you can email or print the results. Visit [selectapdu.com](http://selectapdu.com) to access the Power Selector.

## BASIC ECONNECT® PDU – VERTICAL

Basic eConnect PDU, Vertical - Worldwide								
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity Worldwide (CE)	kW Capacity North America (UL)	Cabinet Capability
Black	Glacier White	Redundancy Pack**						
<b>220 - 240 Volt, Single-Phase Input</b>								
E0-1005-C	E0-1005-E	E0-1005-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(24) C13	3.8 kW	3.8 kW	42U & higher
E0-1006-C	E0-1006-E	E0-1006-CE	32A	IEC 60309 32A 1P+N+E	(24) C13	7.7 kW	6.1 kW	42U & higher
E0-1022-C	E0-1022-E	E0-1022-CE	32A	IEC 60309 32A 1P+N+E	(36) C13 + (6) C19	7.7 kW	6.1 kW	42U & higher
<b>220-240/380-415 Volt, Three-Phase Input</b>								
E0-1023-C	E0-1023-E	E0-1023-CE	16/20A	IEC 60309 16/20A 3P+N+E	(36) C13 + (6) C19	11.5 kW	11.5 kW	42U & higher
E0-1009-C	E0-1009-E	E0-1009-CE	32A	IEC 60309 32A 3P+N+E	(30) C13 + (12) C19	23 kW	18.4 kW	42U & higher
E0-1024-C	E0-1024-E	E0-1024-CE	32A	IEC 60309 32A 3P+N+E	(36) C13 + (6) C19	23 kW	18.4 kW	42U & higher
E0-1128-C	E0-1128-E	E0-1128-CE	32A	IEC 60309 32A 3P+N+E	(54) C13	23 kW	18.4 kW	45U & higher
E0-1010-C	E0-1010-E	E0-1010-CE	60A	IEC60309 60A 3P+N+E	(30) C13 + (12) C19	34.5kW	34.5kW	42U & higher
E0-1192-C	E0-1192-E	E0-1192-CE	100A	IEC 60309 100A 3P+N+E	(12) C13 + (24) C19	57.5kW	57.5kW	45U & higher

Notes: \*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



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## BASIC ECONNECT® PDU – HORIZONTAL

Basic eConnect PDU, Horizontal - North America								
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity (UL)	Form Factor (U) Height	
Black	Glacier White	Redundancy Pack**						
<b>120 Volt, Single-Phase Input</b>								
E0-1243-C	E0-1243-E	E0-1243-CE	20A	C20 Inlet to L5-20	(12) 5-20	1.9 kW	1U	
E0-1244-C	E0-1244-E	E0-1244-CE	30A	NEMA L5-30P	(12) 5-20	2.9 kW	1U	
<b>208 Volt, Single-Phase Input</b>								
E0-1245-C	E0-1245-E	E0-1245-CE	20A	C20 Inlet to L6-20	(12) C13	3.3 kW	1U	
E0-1270-C	E0-1270-E	E0-1270-CE	20A	C20 Inlet to L6-20	(8) C13 + (4) C19	3.3 kW	1U	
E0-1246-C	E0-1246-E	E0-1246-CE	30A	NEMA L6-30P	(12) C13	5 kW	1U	
E0-1253-C	E0-1253-E	E0-1253-CE	30A	NEMA L6-30P	(9) C19	5 kW	1U	
E0-1271-C	E0-1271-E	E0-1271-CE	30A	NEMA L6-30P	(8) C13 + (4) C19	5 kW	1U	
<b>120/208 Volt, Three-Phase Input</b>								
E0-1248-C	E0-1248-E	E0-1248-CE	20A	NEMA L21-20P	(12) C13	5.7 kW	1U	
E0-1255-C	E0-1255-E	E0-1255-CE	20A	NEMA L21-20P	(9) C19	5.7 kW	1U	
E0-1273-C	E0-1273-E	E0-1273-CE	20A	NEMA L21-20P	(8) C13 + (4) C19	5.7 kW	1U	
E0-1249-C	E0-1249-E	E0-1249-CE	30A	NEMA L21-30P	(12) C13	8.6 kW	1U	
E0-1256-C	E0-1256-E	E0-1256-CE	30A	NEMA L21-30P	(9) C19	8.6 kW	1U	
E0-1274-C	E0-1274-E	E0-1274-CE	30A	NEMA L21-30P	(8) C13 + (4) C19	8.6 kW	1U	
<b>208 Volt, Three-Phase Input</b>								
E0-1247-C	E0-1247-E	E0-1247-CE	30A	NEMA L15-30P	(12) C13	8.6 kW	1U	
E0-1254-C	E0-1254-E	E0-1254-CE	30A	NEMA L15-30P	(9) C19	8.6 kW	1U	
E0-1272-C	E0-1272-E	E0-1272-CE	30A	NEMA L15-30P	(8) C13 + (4) C19	8.6 kW	1U	

Notes:\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

Basic eConnect PDU, Horizontal - Worldwide									
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity (CE)	kW Capacity North America (UL)	Form Factor (U) Height	
Black	Glacier White	Redundancy Pack**							
<b>220 - 240 Volt, Single-Phase Input</b>									
E0-1250-C	E0-1250-E	E0-1250-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(12) C13	3.8 kW	3.8 kW	1U	
E0-1275-C	E0-1275-E	E0-1275-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(8) C13 + (4) C19	3.8 kW	3.8 kW	1U	
E0-1252-C	E0-1252-E	E0-1252-CE	32A	IEC 60309 32A 1P+N+E	(12) C13	7.7 kW	6.1 kW	1U	
E0-1257-C	E0-1257-E	E0-1257-CE	32A	IEC 60309 32A 1P+N+E	(9) C19	7.7 kW	6.1 kW	1U	
E0-1277-C	E0-1277-E	E0-1277-CE	32A	IEC 60309 32A 1P+N+E	(8) C13 + (4) C19	7.7 kW	6.1 kW	1U	
<b>220 - 240/380-415 Volt, Three-Phase Input</b>									
E0-1251-C	E0-1251-E	E0-1251-CE	16/20A	IEC 60309 16/20A 3P+N+E	(12) C13	11.5 kW	11.5 kW	1U	
E0-1258-C	E0-1258-E	E0-1258-CE	16/20A	IEC 60309 16/20A 3P+N+E	(9) C19	11.5 kW	11.5 kW	1U	
E0-1276-C	E0-1276-E	E0-1276-CE	16/20A	IEC 60309 16/20A 3P+N+E	(8) C13 + (4) C19	11.5 kW	11.5 kW	1U	

Notes:\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

**BASIC ECONNECT® PDU – HORIZONTAL**

Basic eConnect PDU, Horizontal - North America							
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity (UL)	Form Factor (U) Height
Black	Glacier White	Redundancy Pack**					
<b>120 Volt, Single-Phase Input</b>							
E0-1401-C	E0-1401-E	E0-1401-CE	20A	C20 Inlet to L5-20	(24) 5-20	1.9 kW	2U
E0-1402-C	E0-1402-E	E0-1402-CE	30A	NEMA L5-30P	(24) 5-20	2.9 kW	2U
<b>208 Volt, Single-Phase Input</b>							
E0-1403-C	E0-1403-E	E0-1403-CE	20A	C20 Inlet to L6-20	(24) C13	3.3 kW	2U
E0-1459-C	E0-1459-E	E0-1459-CE	20A	C20 Inlet to L6-20	(18) C13 + (6) C19	3.3 kW	2U
E0-1404-C	E0-1404-E	E0-1404-CE	30A	NEMA L6-30P	(24) C13	5 kW	2U
E0-1461-C	E0-1461-E	E0-1461-CE	30A	NEMA L6-30P	(18) C13 + (6) C19	5 kW	2U
E0-1478-C	E0-1478-E	E0-1478-CE	30A	NEMA L6-30P	(6) C13 + (12) C19	5 kW	2U
<b>120/208 Volt, Single-Phase Input</b>							
E0-1469-C	E0-1469-E	E0-1469-CE	30A	NEMA L14-30P	(12) C13 + (6) C19 + (4) 5-20	5 kW	2U
<b>120/208 Volt, Three-Phase Input</b>							
E0-1439-C	E0-1439-E	E0-1439-CE	20A	NEMA L21-20P	(24) C13	5.7 kW	2U
E0-1463-C	E0-1463-E	E0-1463-CE	20A	NEMA L21-20P	(18) C13 + (6) C19	5.7 kW	2U
E0-1480-C	E0-1480-E	E0-1480-CE	20A	NEMA L21-20P	(6) C13 + (12) C19	5.7 kW	2U
E0-1467-C	E0-1467-E	E0-1467-CE	20A	NEMA L21-20P	(12) C13 + (6) C19 + (4) 5-20	5.7 kW	2U
E0-1440-C	E0-1440-E	E0-1440-CE	30A	NEMA L21-30P	(24) C13	8.6 kW	2U
E0-1464-C	E0-1464-E	E0-1464-CE	30A	NEMA L21-30P	(18) C13 + (6) C19	8.6 kW	2U
E0-1482-C	E0-1482-E	E0-1482-CE	30A	NEMA L21-30P	(6) C13 + (12) C19	8.6 kW	2U
E0-1468-C	E0-1468-E	E0-1468-CE	30A	NEMA L21-30P	(12) C13 + (6) C19 + (4) 5-20	8.6 kW	2U
<b>208 Volt, Three-Phase Input</b>							
E0-1441-C	E0-1441-E	E0-1441-CE	30A	NEMA L15-30P	(24) C13	8.6 kW	2U
E0-1465-C	E0-1465-E	E0-1465-CE	30A	NEMA L15-30P	(18) C13 + (6) C19	8.6 kW	2U
E0-1483-C	E0-1483-E	E0-1483-CE	30A	NEMA L15-30P	(6) C13 + (12) C19	8.6 kW	2U
E0-1484-C	E0-1484-E	E0-1484-CE	50A	CS8365	(6) C13 + (12) C19	14.4 kW	2U
E0-1485-C	E0-1485-E	E0-1485-CE	60A	IEC 60309 60A 3P+E	(6) C13 + (12) C19	17.2 kW	2U

Basic eConnect PDU, Horizontal - Worldwide								
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity (CE)	kW Capacity North America (UL)	Form Factor (U) Height
Black	Glacier White	Redundancy Pack**						
<b>220 - 240 Volt, Single-Phase Input</b>								
E0-1405-C	E0-1405-E	E0-1405-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(24) C13	3.8 kW	3.8 kW	2U
E0-1460-C	E0-1460-E	E0-1460-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(18) C13 + (6) C19	3.8 kW	3.8 kW	2U
E0-1406-C	E0-1406-E	E0-1406-CE	32A	IEC 60309 32A 1P+N+E	(24) C13	7.7 kW	6.1 kW	2U
E0-1462-C	E0-1462-E	E0-1462-CE	32A	IEC 60309 32A 1P+N+E	(18) C13 + (6) C19	7.7 kW	6.1 kW	2U
E0-1479-C	E0-1479-E	E0-1479-CE	32A	IEC 60309 32A 1P+N+E	(6) C13 + (12) C19	7.7 kW	6.1 kW	2U
<b>220 - 240/380-415 Volt, Three-Phase Input</b>								
E0-1442-C	E0-1442-E	E0-1442-CE	16/20A	IEC 60309 16/20A 3P+N+E	(24) C13	11.5 kW	11.5 kW	2U
E0-1466-C	E0-1466-E	E0-1466-CE	16/20A	IEC 60309 16/20A 3P+N+E	(18) C13 + (6) C19	11.5 kW	11.5 kW	2U
E0-1481-C	E0-1481-E	E0-1481-CE	16/20A	IEC 60309 16/20A 3P+N+E	(6) C13 + (12) C19	11.5 kW	11.5 kW	2U
E0-1486-C	E0-1486-E	E0-1486-CE	32A	IEC 60309 32A 3P+N+E	(6) C13 + (12) C19	23 kW	18.4 kW	2U

Notes: \*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



**Vertical Options Only**

**Metered eConnect PDUs feature a local display for easy reading of input current to help with initial installation and properly balanced operations.**

**Resistance to High Temperature**

Market-leading temperature ratings of up to 149°F (65°C) ensures reliability when mounted toward hot aisles.

**Simplified Load Balancing**

Phase-balance outlets on three-phase models ensure equal loading across all phases; allows use of shorter equipment power cords for better cable and airflow management.

**No Accidental Disconnections**

Patented, low-profile locking outlets prevent accidental disconnections without requiring special cords.

**Easy Identification of Failover Unit**

Redundancy Pack includes 2 PDUs (one in Black and one in Glacier White) for easy identification of the primary and secondary unit.

**Latest UL Compliance**

Meets UL and IEC 62368 for compliance with new listing requirements for North America and the European Union.

**Cabinet Preinstallation**

Complete ecosystem ships ready for IT equipment integration. Saves deployment time and reduces packaging waste.

**Metered eConnect PDU**

**Additional Features:**

- Input current metering across phases through LED display
- Breakers and outlet groups are color-coded in multi-breaker units for easy identification
- Universal tool-less mounting features
- Customization capabilities: outlet configurations, color options, power cord length, input connection types and more
- Made in the United States, TAA-compliant

**Specifications:**

- Single-input, vertical rack-mount PDUs
- Circuit Protection:
  - UL 489 listed, single- or two-pole, hydraulic-magnetic breakers available on single- and three-phase models with 30A and above input
  - 30A Breakers for 208V, 100A, 415V, 60A and 415V, 100A configurations
  - Low-profile design prevents accidental disconnections
- Metering
  - Input line currents
  - Display: 4-digit LED, displays input current for all phases; typical accuracy of +/-2%
- Power Input:
  - Alternating current, 50/60 Hz, 10 ft (3 m) input cord or Terminal Block available as standard; custom lengths between 3 - 15 ft. available
  - Voltage, maximum current, and inlet/plug type varies per model (see ordering table)
- Power Output:
  - NEMA 5-20R, Locking IEC C13 and/or IEC C19 Outlets, specific to PDU with up to 54 outlets (see order table)
- Mounting:
  - 2 preinstalled tool-less mounting buttons; adjustable positions
  - Top or bottom power cord entry orientation
- Bonding/Grounding
  - Bonded power inlet/plug and external bond connection with a threaded M5 attachment point
  - Includes a bonding kit for CPI cabinets
- Operating Conditions:
  - Temperature: 32°F – 149°F (0°C – 65°C) at Input Power Rating (kW)
  - Relative Humidity: 5% – 95%, noncondensing
  - Elevation: 0 – 10,000 ft (0 – 3,000 m)
- Shipping Weights:
  - Vertical Only: 27 lb (12 kg) single unit; 54 lb (24 kg) Redundancy Pack
- Warranty: 3 years standard with advanced replacement; 2 additional years optional
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

**Certifications:**

- NEMKO certified to UL/IEC62368, CE (EU), FCC Part 15, Class A, EN 55022, RoHS Compliant



The Power Selector enables you to select the best power product for your application by narrowing down options based on your requirements. After you're done comparing, you can email or print the results. Visit [selectapdu.com](http://selectapdu.com) to access the Power Selector.

METERED ECONNECT® PDU - VERTICAL

Metered eConnect PDU, Vertical - North America

Part Number			Input Amperage	Input Plug	Outlets	kW Capacity (UL)	Cabinet Capability
Black	Glacier White	Redundancy Pack**					
<b>120 Volt, Single-Phase Input</b>							
E1-2001-C	E1-2001-E	E1-2001-CE	20A	C20 Inlet to L5-20	(24) 5-20	1.9 kW	42U & higher
E1-2002-C	E1-2002-E	E1-2002-CE	30A	L5-30	(24) 5-20	2.9 kW	42U & higher
<b>208 Volt, Single-Phase Input</b>							
E1-2003-C	E1-2003-E	E1-2003-CE	20A	C20 Inlet to L6-20	(24) C13	3.3 kW	42U & higher
E1-2004-C	E1-2004-E	E1-2004-CE	30A	L6-30	(24) C13	5 kW	42U & higher
E1-2015-C	E1-2015-E	E1-2015-CE	30A	L6-30	(36) C13 + (6) C19	5 kW	42U & higher
<b>208 Volt, Three-Phase Input</b>							
E1-2016-C	E1-2016-E	E1-2016-CE	30A	L15-30	(36) C13 + (6) C19	8.6 kW	42U & higher
E1-2007-C	E1-2007-E	E1-2007-CE	50A	CS8365	(30) C13 + (12) C19	14.4 kW	42U & higher
E1-2019-C	E1-2019-E	E1-2019-CE	50A	CS8365	(36) C13 + (6) C19	14.4 kW	42U & higher
E1-2125-C	E1-2125-E	E1-2125-CE	50A	CS8365	(54) C13	14.4 kW	45U & higher
E1-2008-C	E1-2008-E	E1-2008-CE	60A	IEC 60309 60A 3P+E	(30) C13 + (12) C19	17.2 kW	42U & higher
E1-2020-C	E1-2020-E	E1-2020-CE	60A	IEC 60309 60A 3P+E	(36) C13 + (6) C19	17.2 kW	42U & higher
E1-2126-C	E1-2126-E	E1-2026-CE	60A	IEC 60309 60A 3P+E	(54) C13	17.2 kW	45U & higher
E1-2033-C	E1-2033-E	E1-2033-CE	60A	IEC 60309 60A 3P+E	(12) C13 + (18) C19	17.2 kW	42U & higher
E1-2089-C	E1-2089-E	E1-2089-CE	100A	IEC60309 100A 3P+E	(30) C13 + (12) C19	28.8kW	42U & higher
E1-2011-C	E1-2011-E	E1-2011-CE	100A	AC Terminal Block 3P4W	(30) C13 + (12) C19	28.8kW	42U & higher
<b>120/208 Volt, Three-Phase Input</b>							
E1-2013-C	E1-2013-E	E1-2013-CE	20A	L21-20	(30) C13 + (6) C19 + (6) 5-20	5.7 kW	42U & higher
E1-2017-C	E1-2017-E	E1-2017-CE	20A	L21-20	(36) C13 + (6) C19	5.7 kW	42U & higher
E1-2014-C	E1-2014-E	E1-2014-CE	30A	L21-30	(30) C13 + (6) C19 + (6) 5-20	8.6 kW	42U & higher
E1-2018-C	E1-2018-E	E1-2018-CE	30A	L21-30	(36) C13 + (6) C19	8.6 kW	42U & higher
<b>240/415 Volt, Three-Phase Input</b>							
E1-2021-C	E1-2021-E	E1-2021-CE	30A	L22-30	(36) C13 + (6) C19	17.2 kW	42U & higher
E1-2127-C	E1-2127-E	E1-2127-CE	30A	L22-30	(54) C13	17.2 kW	45U & higher

Notes: \*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

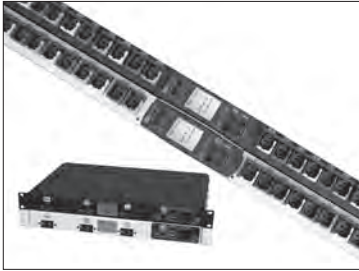
METERED ECONNECT® PDU - VERTICAL

Metered eConnect PDU, Vertical - Worldwide								
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity Worldwide (CE)	kW Capacity North America (UL)	Cabinet Capability
Black	Glacier White	Redundancy Pack**						
<b>220 - 240 Volt, Single-Phase Input</b>								
E1-2005-C	E1-2005-E	E1-2005-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(24) C13	3.8 kW	3.8 kW	42U & higher
E1-2006-C	E1-2006-E	E1-2006-CE	32A	IEC 60309 32A 1P+N+E	(24) C13	7.7 kW	6.1 kW	42U & higher
E1-2022-C	E1-2022-E	E1-2022-CE	32A	IEC 60309 32A 1P+N+E	(18) C13 + (6) C19	7.7 kW	6.1 kW	42U & higher
<b>220-240/380-415 Volt, Three-Phase Input</b>								
E1-2023-C	E1-2023-E	E1-2023-CE	16/20A	IEC 60309 16/20A 3P+N+E	(36) C13 + (6) C19	11.5 kW	11.5 kW	42U & higher
E1-2009-C	E1-2009-E	E1-2009-CE	32A	IEC 60309 32A 3P+N+E	(30) C13 + (12) C19	23 kW	18.4 kW	42U & higher
E1-2024-C	E1-2024-E	E1-2024-CE	32A	IEC 60309 32A 3P+N+E	(36) C13 + (6) C19	23 kW	18.4 kW	42U & higher
E1-2128-C	E1-2128-E	E1-2128-CE	32A	IEC 60309 32A 3P+N+E	(54) C13	23 kW	18.4 kW	45U & higher
E1-2010-C	E1-2010-E	E1-2010-CE	60A	IEC60309 60A 3P+N+E	(30) C13 + (12) C19	34.5kW	34.5kW	42U & higher
E1-2192-C	E1-2192-E	E1-2192-CE	100A	IEC 60309 100A 3P+N+E	(12) C13 + (24) C19	57.5kW	57.5kW	45U & higher

Notes:\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



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**Vertical and Horizontal Options Available**

**Monitored eConnect PDUs provide remote power monitoring to the input and branch circuit level, making it possible to obtain and manage power consumption at the cabinet level.**

#### **Reduced Networking Costs and Complexity**

Secure Array® allows the use of a single IP address for up to 48 connected PDUs (32 when electronic locks are integrated). Second IP address for the entire array provides failover capability.

#### **Easy Identification of Failover Unit**

Redundancy Pack includes 2 PDUs (one in Black and one in Glacier White) for easy identification of the primary and secondary unit.

#### **Electronic Lock Integration**

Patented technology seamlessly integrates PDU, environmental sensors and electronic locks into a single hardware and software solution.

#### **Gigabit Ethernet**

Ensures compatibility with enterprise routers and switches.

#### **Latest UL Compliance**

Meets UL and IEC 62368 for compliance with new listing requirements for North America and the European Union.

#### **Cabinet Preinstallation**

Complete ecosystem ships ready for IT equipment integration. Saves deployment time and reduces packaging waste.

#### **High Power Configurations**

Configurations supporting up to 100A Input provide an optimized solution for GPU & AI based applications. 30A branch circuit breakers provide flexibility when plugging high power IT equipment.

## **Monitored eConnect PDU**

### **Additional Features:**

- Input and branch circuit monitoring with billing-grade +/-1% accuracy
- Field-replaceable controller module for easy serviceability and upgradeability while maintaining power to critical loads; SD-card transfers PDU configuration
- Onboard GUI, RESTful API, SNMP v1/v2/v3, Command Line Interface (CLI), and native Power IQ® DCIM software integration allows users to easily manage PDUs
- Zero Touch Provisioning (ZTP) automates configuration and provisioning of large deployments of PDUs.
- HTTPs support, 802.1x support, RADIUS and LDAP integration for enhanced authentication and security
- Customization capabilities: outlet configurations, color options, power cord length, input connection types and more
- Made in the United States, TAA-compliant

### **Specifications:**

- Single-input, vertical and horizontal rack-mount PDU
  - Circuit Protection:
    - UL 489 listed, single- or two-pole, hydraulic-magnetic breakers available on single- and three-phase models with 30A and above input
    - 30A Breakers for 208V, 100A, 415V, 60A and 415V, 100A configurations
    - Low-profile design prevents accidental disconnections
  - Metering
    - Input line currents
    - Display: 4-digit LED, displays input current for all phases; typical accuracy of +/-2%
  - Power Input:
    - Alternating current, 50/60 Hz, 10 ft (3 m) input cord or Terminal Block available as standard; custom lengths between 3 - 15 ft. available
    - Voltage, maximum current, and inlet/plug type varies per model (see ordering table)
  - Power Output:
    - NEMA 5-20R, Locking IEC C13 and/or IEC C19 Outlets, specific to PDU with up to 54 outlets (see order table)
  - Console Access:
    - Through serial console port connection and Command Line Interface (CLI)
  - Controller:
    - Field-replaceable controller module; SD-card transfers PDU configuration
  - Firmware:
    - Flash upgradeable through USB port, Web interface, CLI, API or PowerIQ
  - Electronic Lock Integration:
    - Front and rear cabinet door locks (ordered separately) connected to AUX ports on the PDU
    - Door locks are powered from and remotely accessed through the PDU
  - Mounting:
    - Vertical PDUs: (2) preinstalled tool-less mounting buttons; adjustable positions
    - Top or bottom power cord entry orientation
    - Horizontal PDUs: Include rack-mount brackets for 19" EIA (482.6 mm) racks
  - Shipping Weights:
    - Vertical PDUs: 27 lb (12 kg) single unit; 54 lb (24 kg) Redundancy Pack
    - Horizontal PDUs: 1U is 18 lb (8.2 kg) single unit; 35 lb (15.9 kg) Redundancy Pack; 2U is 23 lb (10.4 kg) single unit; 45 lb (20.4 kg) Redundancy Pack
  - Warranty: 3 years standard with advanced replacement; 2 additional years optional
  - Patent: [chatsworth.com/patents](http://chatsworth.com/patents)
- ### **Certifications:**
- NEMKO certified to UL/IEC62368, CE (EU), FCC Part 15, Class A, EN 55022, RoHS Compliant

**MONITORED ECONNECT® PDU - VERTICAL**

<b>Monitored eConnect PDU, Vertical - North America</b>							
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (UL)</b>	<b>Cabinet Capability</b>
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>					
<b>120 Volt, Single-Phase Input</b>							
EA-3001-C	EA-3001-E	EA-3001-CE	20A	C20 Inlet to L5-20	(24) 5-20	1.9 kW	42U & higher
EA-3002-C	EA-3002-E	EA-3002-CE	30A	L5-30	(24) 5-20	2.9 kW	42U & higher
<b>208 Volt, Single-Phase Input</b>							
EA-3003-C	EA-3003-E	EA-3003-CE	20A	C20 Inlet to L6-20	(24) C13	3.3 kW	42U & higher
EA-3004-C	EA-3004-E	EA-3004-CE	30A	L6-30	(24) C13	5 kW	42U & higher
EA-3015-C	EA-3015-E	EA-3015-CE	30A	L6-30	(36) C13 + (6) C19	5 kW	42U & higher
<b>120/208 Volt, Single-Phase Input</b>							
EA-3087-C	EA-3087-E	EA-3087-CE	30A	L14-30	(30) C13 + (6) C19 + (6) 5-20	5 kW	42U & higher
<b>120/208 Volt, Three-Phase Input</b>							
EA-3013-C	EA-3013-E	EA-3013-CE	20A	L21-20	(30) C13 + (6) C19 + (6) 5-20	5.7 kW	42U & higher
EA-3017-C	EA-3017-E	EA-3017-CE	20A	L21-20	(36) C13 + (6) C19	5.7 kW	42U & higher
EA-3014-C	EA-3014-E	EA-3014-CE	30A	L21-30	(30) C13 + (6) C19 + (6) 5-20	8.6 kW	42U & higher
EA-3018-C	EA-3018-E	EA-3018-CE	30A	L21-30	(36) C13 + (6) C19	8.6 kW	42U & higher
<b>208 Volt, Three-Phase Input</b>							
EA-3016-C	EA-3016-E	EA-3016-CE	30A	L15-30	(36) C13 + (6) C19	8.6 kW	42U & higher
EA-3007-C	EA-3007-E	EA-3007-CE	50A	CS8365	(30) C13 + (12) C19	14.4 kW	42U & higher
EA-3019-C	EA-3019-E	EA-3019-CE	50A	CS8365	(36) C13 + (6) C19	14.4 kW	42U & higher
EA-3125-C	EA-3125-E	EA-3125-CE	50A	CS8365	(54) C13	14.4 kW	45U & higher
EA-3126-C	EA-3126-E	EA-3126-CE	50A	CS8365	(54) C13	17.2 kW	45U & higher
EA-3008-C	EA-3008-E	EA-3008-CE	60A	IEC 60309 60A 3P+E	(30) C13 + (12) C19	17.2 kW	42U & higher
EA-3020-C	EA-3020-E	EA-3020-CE	60A	IEC 60309 60A 3P+E	(36) C13 + (6) C19	17.2 kW	42U & higher
EA-3033-C	EA-3033-E	EA-3033-CE	60A	IEC 60309 60A 3P+E	(12) C13 + (18) C19	17.2 kW	42U & higher
EA-3089-C	EA-3089-E	EA-3089-CE	100A	IEC60309 100A 3P+E	(30) C13 + (12) C19	28.8kW	42U & higher
EA-3011-C	EA-3011-E	EA-3011-CE	100A	AC Terminal Block 3P4W	(30) C13 + (12) C19	28.8kW	42U & higher
<b>240/415 Volt, Three-Phase Input</b>							
EA-3021-C	EA-3021-E	EA-3021-CE	30A	L22-30	(36) C13 + (6) C19	17.2 kW	42U & higher
EA-3127-C	EA-3127-E	EA-3127-CE	30A	L22-30	(54) C13	17.2 kW	45U & higher

Notes: \*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



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**MONITORED ECONNECT® PDU - VERTICAL**

<b>Monitored eConnect PDU, Vertical - Worldwide</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity Worldwide (CE)</b>	<b>kW Capacity North America (UL)</b>	<b>Cabinet Capability</b>
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>220 - 240 Volt, Single-Phase Input</b>								
EA-3005-C	EA-3005-E	EA-3005-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(24) C13	3.8 kW	3.8kW	42U & higher
EA-3006-C	EA-3006-E	EA-3006-CE	32A	C20 Inlet to IEC 60309 32A 1P+N+E	(24) C13	7.7 kW	6.1 kW	42U & higher
EA-3022-C	EA-3022-E	EA-3022-CE	32A	C20 Inlet to IEC 60309 32A 1P+N+E	(36) C13 + (6) C19	7.7 kW	6.1 kW	42U & higher
<b>220-240/380-415 Volt, Three-Phase Input</b>								
EA-3023-C	EA-3023-E	EA-3023-CE	16/20A	IEC 60309 16/20A 3P+N+E	(36) C13 + (6) C19	11.5 kW	11.5 kW	42U & higher
EA-3009-C	EA-3009-E	EA-3009-CE	32A	IEC 60309 32A 3P+N+E	(30) C13 + (12) C19	23 kW	18.4 kW	42U & higher
EA-3024-C	EA-3024-E	EA-3024-CE	32A	IEC 60309 32A 3P+N+E	(36) C13 + (6) C19	23 kW	18.4 kW	42U & higher
EA-3128-C	EA-3128-E	EA-3128-CE	32A	IEC 60309 20A 3P+N+E	(54) C13	23 kW	18.4 kW	45U & higher
EA-3010-C	EA-3010-E	EA-3010-CE	60A	IEC60309 60A 3P+N+E	(30) C13 + (12) C19	34.5kW	34.5kW	42U & higher
EA-3193-C	EA-3193-E	EA-3193-CE	100A	IEC 60309 100A 3P+N+E	(8) C13 + (24) C19	57.5kW	57.5kW	45U & higher

Notes: \*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



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**MONITORED ECONNECT® PDU - HORIZONTAL**

<b>Monitored eConnect PDU, Horizontal - North America</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (UL)</b>	<b>Form Factor (U) Height</b>	
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>120 Volt, Single-Phase Input</b>								
EA-3243-C	EA-3243-E	EA-3243-CE	20A	C20 Inlet to L5-20	(12) 5-20	1.9 kW	1U	
EA-3244-C	EA-3244-E	EA-3244-CE	30A	NEMA L5-30P	(12) 5-20	2.9 kW	1U	
<b>208 Volt, Single-Phase Input</b>								
EA-3245-C	EA-3245-E	EA-3245-CE	20A	C20 Inlet to L6-20	(12) C13	3.3 kW	1U	
EA-3270-C	EA-3270-E	EA-3270-CE	20A	C20 Inlet to L6-20	(8) C13 + (4) C19	3.3 kW	1U	
EA-3246-C	EA-3246-E	EA-3246-CE	30A	NEMA L6-30P	(12) C13	5 kW	1U	
EA-3253-C	EA-3253-E	EA-3253-CE	30A	NEMA L6-30P	(9) C19	5 kW	1U	
EA-3271-C	EA-3271-E	EA-3271-CE	30A	NEMA L6-30P	(8) C13 + (4) C19	5 kW	1U	
<b>120/208 Volt, Three-Phase Input</b>								
EA-3248-C	EA-3248-E	EA-3248-CE	20A	NEMA L21-20P	(12) C13	5.7 kW	1U	
EA-3255-C	EA-3255-E	EA-3255-CE	20A	NEMA L21-20P	(9) C19	5.7 kW	1U	
EA-3273-C	EA-3273-E	EA-3273-CE	20A	NEMA L21-20P	(8) C13 + (4) C19	5.7 kW	1U	
EA-3249-C	EA-3249-E	EA-3249-CE	30A	NEMA L21-30P	(12) C13	8.6 kW	1U	
EA-3256-C	EA-3256-E	EA-3256-CE	30A	NEMA L21-30P	(9) C19	8.6 kW	1U	
EA-3274-C	EA-3274-E	EA-3274-CE	30A	NEMA L21-30P	(8) C13 + (4) C19	8.6 kW	1U	
<b>208 Volt, Three-Phase Input</b>								
EA-3247-C	EA-3247-E	EA-3247-CE	30A	NEMA L15-30P	(12) C13	8.6 kW	1U	
EA-3254-C	EA-3254-E	EA-3254-CE	30A	NEMA L15-30P	(9) C19	8.6 kW	1U	
EA-3272-C	EA-3272-E	EA-3272-CE	30A	NEMA L15-30P	(8) C13 + (4) C19	8.6 kW	1U	

Notes:\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

<b>Monitored eConnect PDU, Horizontal - Worldwide</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (CE)</b>	<b>kW Capacity North America (UL)</b>	<b>Form Factor (U) Height</b>
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>220 - 240 Volt, Single-Phase Input</b>								
EA-3250-C	EA-3250-E	EA-3250-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(12) C13	3.8 kW	3.8 kW	1U
EA-3275-C	EA-3275-E	EA-3275-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(8) C13 + (4) C19	3.8 kW	3.8 kW	1U
EA-3252-C	EA-3252-E	EA-3252-CE	32A	IEC 60309 32A 1P+N+E	(12) C13	7.7 kW	6.1 kW	1U
EA-3257-C	EA-3257-E	EA-3257-CE	32A	IEC 60309 32A 1P+N+E	(9) C19	7.7 kW	6.1 kW	1U
EA-3277-C	EA-3277-E	EA-3277-CE	32A	IEC 60309 32A 1P+N+E	(8) C13 + (4) C19	7.7 kW	6.1 kW	1U
<b>220 - 240/380-415 Volt, Three-Phase Input</b>								
EA-3251-C	EA-3251-E	EA-3251-CE	16/20A	IEC 60309 16/20A 3P+N+E	(12) C13	11.5 kW	11.5 kW	1U
EA-3258-C	EA-3258-E	EA-3258-CE	16/20A	IEC 60309 16/20A 3P+N+E	(9) C19	11.5 kW	11.5 kW	1U
EA-3276-C	EA-3276-E	EA-3276-CE	16/20A	IEC 60309 16/20A 3P+N+E	(8) C13 + (4) C19	11.5 kW	11.5 kW	1U

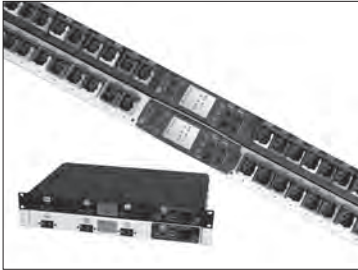
Notes:\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

**MONITORED ECONNECT® PDU - HORIZONTAL**

<b>Monitored eConnect PDU, Horizontal - North America</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (UL)</b>	<b>Form Factor (U) Height</b>	
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>120 Volt, Single-Phase Input</b>								
EA-3401-C	EA-3401-E	EA-3401-CE	20A	C20 Inlet to L5-20	(24) 5-20	1.9 kW		2U
EA-3402-C	EA-3402-E	EA-3402-CE	30A	NEMA L5-30P	(24) 5-20	2.9 kW		2U
<b>208 Volt, Single-Phase Input</b>								
EA-3403-C	EA-3403-E	EA-3403-CE	20A	C20 Inlet to L6-20	(24) C13	3.3 kW		2U
EA-3459-C	EA-3459-E	EA-3459-CE	20A	C20 Inlet to L6-20	(18) C13 + (6) C19	3.3 kW		2U
EA-3404-C	EA-3404-E	EA-3404-CE	30A	NEMA L6-30P	(24) C13	5 kW		2U
EA-3461-C	EA-3461-E	EA-3461-CE	30A	NEMA L6-30P	(18) C13 + (6) C19	5 kW		2U
EA-3478-C	EA-3478-E	EA-3478-CE	30A	NEMA L6-30P	(6) C13 + (12) C19	5 kW		2U
<b>120/208 Volt, Single-Phase Input</b>								
EA-3469-C	EA-3469-E	EA-3469-CE	30A	NEMA L14-30P	(12) C13 + (6) C19 + (4) 5-20	5 kW		2U
<b>120/208 Volt, Three-Phase Input</b>								
EA-3439-C	EA-3439-E	EA-3439-CE	20A	NEMA L21-20P	(24) C13	5.7 kW		2U
EA-3463-C	EA-3463-E	EA-3463-CE	20A	NEMA L21-20P	(18) C13 + (6) C19	5.7 kW		2U
EA-3480-C	EA-3480-E	EA-3480-CE	20A	NEMA L21-20P	(6) C13 + (12) C19	5.7 kW		2U
EA-3467-C	EA-3467-E	EA-3467-CE	20A	NEMA L21-20P	(12) C13 + (6) C19 + (4) 5-20	5.7 kW		2U
EA-3440-C	EA-3440-E	EA-3440-CE	30A	NEMA L21-30P	(24) C13	8.6 kW		2U
EA-3464-C	EA-3464-E	EA-3464-CE	30A	NEMA L21-30P	(18) C13 + (6) C19	8.6 kW		2U
EA-3482-C	EA-3482-E	EA-3482-CE	30A	NEMA L21-30P	(6) C13 + (12) C19	8.6 kW		2U
EA-3468-C	EA-3468-E	EA-3468-CE	30A	NEMA L21-30P	(12) C13 + (6) C19 + (4) 5-20	8.6 kW		2U
<b>208 Volt, Three-Phase Input</b>								
EA-3441-C	EA-3441-E	EA-3441-CE	30A	NEMA L15-30P	(24) C13	8.6 kW		2U
EA-3465-C	EA-3465-E	EA-3465-CE	30A	NEMA L15-30P	(18) C13 + (6) C19	8.6 kW		2U
EA-3483-C	EA-3483-E	EA-3483-CE	30A	NEMA L15-30P	(6) C13 + (12) C19	8.6 kW		2U
EA-3484-C	EA-3484-E	EA-3484-CE	50A	CS8365	(6) C13 + (12) C19	14.4 kW		2U
EA-3485-C	EA-3485-E	EA-3485-CE	60A	IEC 60309 60A 3P+E	(6) C13 + (12) C19	17.2 kW		2U

<b>Monitored eConnect PDU, Horizontal - Worldwide</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (CE)</b>	<b>kW Capacity North America (UL)</b>	<b>Form Factor (U) Height</b>
<b>Black*</b>	<b>Glacier White*</b>	<b>Redundancy Pack**</b>						
<b>220 - 240 Volt, Single-Phase Input</b>								
EA-3405-C	EA-3405-E	EA-3405-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(24) C13	3.8 kW	3.8 kW	2U
EA-3460-C	EA-3460-E	EA-3460-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(18) C13 + (6) C19	3.8 kW	3.8 kW	2U
EA-3406-C	EA-3406-E	EA-3406-CE	32A	IEC 60309 32A 1P+N+E	(24) C13	7.7 kW	6.1 kW	2U
EA-3462-C	EA-3462-E	EA-3462-CE	32A	IEC 60309 32A 1P+N+E	(18) C13 + (6) C19	7.7 kW	6.1 kW	2U
EA-3479-C	EA-3479-E	EA-3479-CE	32A	IEC 60309 32A 1P+N+E	(6) C13 + (12) C19	7.7 kW	6.1 kW	2U
<b>220 - 240/380-415 Volt, Three-Phase Input</b>								
EA-3442-C	EA-3442-E	EA-3442-CE	16/20A	IEC 60309 16/20A 3P+N+E	(24) C13	11.5 kW	11.5 kW	2U
EA-3466-C	EA-3466-E	EA-3466-CE	16/20A	IEC 60309 16/20A 3P+N+E	(18) C13 + (6) C19	11.5 kW	11.5 kW	2U
EA-3481-C	EA-3481-E	EA-3481-CE	16/20A	IEC 60309 16/20A 3P+N+E	(6) C13 + (12) C19	11.5 kW	11.5 kW	2U
EA-3486-C	EA-3486-E	EA-3486-CE	32A	IEC 60309 32A 3P+N+E	(6) C13 + (12) C19	23 kW	18.4 kW	2U

Notes: \*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



**Vertical and Horizontal Options Available**

**Monitored Pro eConnect PDUs provide remote power monitoring down to the outlet level, making it possible to obtain power consumption for each piece of equipment.**

#### **Reduced Networking Costs and Complexity**

Secure Array® allows the use of a single IP address for up to 48 connected PDUs (32 when electronic locks are integrated). Second IP address for the entire array provides failover capability.

#### **Easy Identification of Failover Unit**

Redundancy Pack includes 2 PDUs (one in Black and one in Glacier White) for easy identification of the primary and secondary unit.

#### **Electronic Lock Integration**

Patented technology seamlessly integrates PDU, environmental sensors and electronic locks into a single hardware and software solution.

#### **Gigabit Ethernet**

Ensures compatibility with enterprise routers and switches.

#### **Latest UL Compliance**

Meets UL and IEC 62368 for compliance with new listing requirements for North America and the European Union.

#### **Cabinet Preinstallation**

Complete ecosystem ships ready for IT equipment integration. Saves deployment time and reduces packaging waste.

#### **High Power Configurations**

Configurations supporting up to 100A Input provide an optimized solution for GPU & AI based applications. 30A branch circuit breakers provide flexibility when plugging high power IT equipment.

## **Monitored Pro eConnect PDU**

### **Additional Features:**

- Individual outlet monitoring; outlet grouping
- Field-replaceable controller module for easy serviceability and upgradeability while maintaining power to critical loads; SD-card transfers PDU configuration
- Onboard GUI, RESTful API, SNMP v1/v2/v3, Command Line Interface (CLI), and native Power IQ® DCIM software integration allows users to easily manage PDUs
- Zero Touch Provisioning (ZTP) automates configuration and provisioning of large deployments of PDUs.
- HTTPs support, 802.1x support, RADIUS and LDAP integration for enhanced authentication and security
- Customization capabilities: outlet configurations, color options, power cord length, input connection types and more
- Made in the United States, TAA-compliant

### **Specifications:**

- Single-input, vertical and horizontal rack-mount PDUs
  - Circuit Protection:
    - UL 489 listed, single- or two-pole, hydraulic-magnetic breakers available on single- and three-phase models with 30A and above input
    - 30A Breakers for 208V, 100A, 415V, 60A and 415V, 100A configurations
    - Low-profile design prevents accidental disconnections
  - Metering
    - Input line currents
    - Display: 4-digit LED, displays input current for all phases; typical accuracy of +/-2%
  - Power Input:
    - Alternating current, 50/60 Hz, 10 ft (3 m) input cord or Terminal Block available as standard; custom lengths between 3 - 15 ft. available
    - Voltage, maximum current, and inlet/plug type varies per model (see ordering table)
  - Power Output:
    - NEMA 5-20R, Locking IEC C13 and/or IEC C19 Outlets, specific to PDU with up to 54 outlets (see order table)
  - Console Access:
    - Through serial console port connection and Command Line Interface (CLI)
  - Controller:
    - Field-replaceable controller module; SD-card transfers PDU configuration
  - Firmware:
    - Flash upgradeable through USB port, Web interface, CLI, API or PowerIQ
  - Electronic Lock Integration:
    - Front and rear cabinet door locks (ordered separately) connected to AUX ports on the PDU
    - Door locks are powered from and remotely accessed through the PDU
  - Mounting:
    - Vertical PDUs: (2) preinstalled tool-less mounting buttons; adjustable positions
    - Top or bottom power cord entry orientation
    - Horizontal PDUs: Include rack-mount brackets for 19"EIA (482.6 mm) racks
  - Shipping Weights:
    - Vertical PDUs: 27 lb (12 kg) single unit; 54 lb (24 kg) Redundancy Pack
    - Horizontal PDUs: 1U is 18 lb (8.2 kg) single unit; 35 lb (15.9 kg) Redundancy Pack; 2U is 23 lb (10.4 kg) single unit; 45 lb (20.4 kg) Redundancy Pack
  - Warranty: 3 years standard with advanced replacement; 2 additional years optional
  - Patent: [chatsworth.com/patents](https://chatsworth.com/patents)
- ### **Certifications:**
- NEMKO certified to UL/IEC62368, CE (EU), FCC Part 15, Class A, EN 55022, RoHS Compliant

**MONITORED PRO ECONNECT® PDU – VERTICAL**

<b>Monitored Pro eConnect PDU, Vertical - North America</b>							
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (UL)</b>	<b>Cabinet Capability</b>
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>					
<b>120 Volt, Single-Phase Input</b>							
EA-4001-C	EA-4001-E	EA-4001-CE	20A	C20 Inlet to L5-20	(24) 5-20	1.9 kW	42U & higher
EA-4002-C	EA-4002-E	EA-4002-CE	30A	L5-30	(24) 5-20	2.9 kW	42U & higher
<b>208 Volt, Single-Phase Input</b>							
EA-4069-C	EA-4069-E	EA-4069-CE	20A	C20 Inlet to L6-20	(18) C13 + (6) C19	3.3 kW	42U & higher
EA-4070-C	EA-4070-E	EA-4070-CE	20A	C20 Inlet to L6-20	(24) C13	3.3 kW	42U & higher
EA-4004-C	EA-4004-E	EA-4004-CE	30A	L6-30	(24) C13	5 kW	42U & higher
EA-4012-C	EA-4012-E	EA-4012-CE	30A	L6-30	(18) C13 + (6) C19	5 kW	42U & higher
<b>120 - 208 Volt, Three-Phase Input</b>							
EA-4006-C	EA-4006-E	EA-4006-CE	20A	L21-20	(24) C13	5.7 kW	42U & higher
EA-4014-C	EA-4014-E	EA-4014-CE	20A	L21-20	(18) C13 + (6) C19	5.7 kW	42U & higher
EA-4025-C	EA-4025-E	EA-4025-CE	20A	L21-20	(18) C13 + (6) C19 Outlets + (3) 5-20 Convenience Outlets***	5.7 kW	42U & higher
EA-4007-C	EA-4007-E	EA-4007-CE	30A	L21-30	(24) C13	8.6 kW	42U & higher
EA-4015-C	EA-4015-E	EA-4015-CE	30A	L21-30	(18) C13 + (6) C19	8.6 kW	42U & higher
EA-4026-C	EA-4026-E	EA-4026-CE	30A	L21-30	(18) C13 + (6) C19 Outlets + (3) 5-20 Convenience Outlets***	8.6 kW	42U & higher
EA-4035-C	EA-4035-E	EA-4035-CE	30A	L21-30	(36) C13	8.6 kW	42U & higher
EA-4772-C*	EA-4772-E*	EA-4772-CE*	30A	L21-30	(36) C13 + (12) C1	8.6 kW	42U & higher
EA-4753-C*	EA-4753-E*	EA-4753-CE*	30A	L21-30	(48) C13	8.6 kW	45U & higher
<b>208 Volt, Three-Phase Input</b>							
EA-4005-C	EA-4005-E	EA-4005-CE	30A	L15-30	(24) C13	8.6 kW	42U & higher
EA-4013-C	EA-4013-E	EA-4013-CE	30A	L15-30	(18) C13 + (6) C19	8.6 kW	42U & higher
EA-4034-C	EA-4034-E	EA-4034-CE	30A	L15-30	(36) C13	8.6 kW	42U & higher
EA-4771-C*	EA-4771-E*	EA-4771-CE*	30A	L15-30	(36) C13 + (12) C19	8.6 kW	45U & higher
EA-4752-C*	EA-4752-E*	EA-4752-CE*	30A	L15-30	(48) C13	8.6 kW	45U & higher
EA-4016-C	EA-4016-E	EA-4016-CE	50A	CS8365	(18) C13 + (6) C19	14.4 kW	42U & higher
EA-4027-C	EA-4027-E	EA-4027-CE	50A	CS8365	(12) C13 + (12) C19	14.4 kW	42U & higher
EA-4136-C	EA-4136-E	EA-4136-CE	50A	CS8365	(36) C13	14.4kW	45U & higher
EA-4144-C	EA-4144-E	EA-4144-CE	50A	CS8365	(24) C13 + (12) C19	14.4 kW	45U & higher
EA-4762-C*	EA-4762-CE*	EA-4762-CE*	50A	CS8365	(36) C13 + (12) C19	14.4 kW	45U & higher
EA-4754-C*	EA-4754-E*	EA-4754-CE*	50A	CS8365	(36) C13	14.4 kW	45U & higher
EA-4017-C	EA-4017-E	EA-4017-CE	60A	IEC 60309 60A 3P+E	(18) C13 + (6) C19	17.2 kW	42U & higher
EA-4028-C	EA-4028-E	EA-4028-CE	60A	IEC 60309 60A 3P+E	(12) C13 + (12) C19	17.2 kW	42U & higher
EA-4137-C	EA-4137-E	EA-4137-CE	60A	IEC 60309 60A 3P+E	(36) C13	17.2 kW	45U & higher
EA-4145-C	EA-4145-E	EA-4145-CE	60A	IEC 60309 60A 3P+E	(24) C13 + (12) C19	17.2 kW	45U & higher
EA-4763-C*	EA-4763-E*	EA-4763-CE*	60A	IEC60309 60A 3P+E	(36) C13 + (12) C19	17.2 kW	45U & higher
EA-4755-C*	EA-4755-E*	EA-4755-CE*	60A	IEC60309 60A 3P+E	(48) C13	17.2 kW	45U & higher
EA-41B1-C	EA-41B1-E	EA-41B1-CE	100A	IEC60309 100A 3P+E	(24) C13 + (12) C19	28.8kW	45U & higher
EA-47B3-C*	EA-47B3-E*	EA-47B3-CE*	100A	IEC60309 100A 3P+E	(36) C13 + (12) C19	28.8kW	45U & higher
EA-47B4-C*	EA-47B4-E*	EA-47B4-CE*	100A	IEC60309 100A 3P+E	(48) C13	28.8kW	45U & higher

Notes: \*These configurations are 3.8" wide. All other vertical configurations are 2.2" wide.

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

\*\*\*Convenience 5-20 outlets do not provide monitoring or switching capabilities

**MONITORED PRO ECONNECT® PDU – VERTICAL**

<b>Monitored Pro eConnect PDU, Vertical - North America</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (UL)</b>	<b>Cabinet Capacity</b>	
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>208 Volt, Three-Phase Input</b>								
EA-4150-C	EA-4150-E	EA-4150-CE	100A	AC Terminal Block 3P4W	(24) C13 + (12) C19	28.8kW	45U & higher	
EA-4767-C*	EA-4767-E*	EA-4767-CE*	100A	AC Terminal Block 3P4W	(36) C13 + (12) C19	28.8kW	45U & higher	
EA-4760-C*	EA-4760-E*	EA-4760-CE*	100A	AC Terminal Block 3P4W	(48) C13	28.8kW	45U & higher	
<b>240/415 Volt, Three-Phase Input</b>								
EA-4018-C	EA-4018-E	EA-4018-CE	30A	L22-30	(18) C13 + (6) C19	17.2 kW	42U & higher	
EA-4029-C	EA-4029-E	EA-4029-CE	30A	L22-30	(12) C13 + (12) C19	17.2 kW	42U & higher	
EA-4038-C	EA-4038-E	EA-4038-CE	30A	L22-30	(36) C13	17.2 kW	42U & higher	
EA-4046-C	EA-4046-E	EA-4046-CE	30A	L22-30	(24) C13 + (12) C19	17.2 kW	42U & higher	

Notes: \*These configurations are 3.8" wide. All other vertical configurations are 2.2" wide.

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

<b>Monitored Pro eConnect PDU, Vertical - Worldwide</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity Worldwide (CE)</b>	<b>kW Capacity North America (UL)</b>	<b>Cabinet Capacity</b>
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>220 - 240 Volt, Single-Phase Input</b>								
EA-4008-C	EA-4008-E	EA-4008-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(24) C13	3.8kW	3.8kW	42U & higher
EA-4019-C	EA-4019-E	EA-4019-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(18) C13 + (6) C19	3.8kW	3.8kW	42U & higher
EA-4009-C	EA-4009-E	EA-4009-CE	32A	IEC 60309 32A 1P+N+E	(24) C13	7.7 kW	6.1kW	42U & higher
EA-4020-C	EA-4020-E	EA-4020-CE	32A	IEC 60309 32A 1P+N+E	(18) C13 + (6) C19	7.7 kW	6.1kW	42U & higher

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



The Power Selector enables you to select the best power product for your application by narrowing down options based on your requirements. After you're done comparing, you can email or print the results. Visit [selectapdu.com](http://selectapdu.com) to access the Power Selector.

**MONITORED PRO ECONNECT® PDU – VERTICAL**

<b>Monitored Pro eConnect PDU, Vertical - Worldwide</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity Worldwide (CE)</b>	<b>kW Capacity North America (UL)</b>	<b>Cabinet Capability</b>
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>220-240/380-415 Volt, Three-Phase Input</b>								
EA-4010-C	EA-4010-E	EA-4010-CE	16/20A	IEC 60309 16/20A 3P+N+E	(24) C13	11.5 kW	11.5kW	42U & higher
EA-4021-C	EA-4021-E	EA-4021-CE	16/20A	IEC 60309 16/20A 3P+N+E	(18) C13 + (6) C19	11.5 kW	11.5kW	42U & higher
EA-4030-C	EA-4030-E	EA-4030-CE	16/20A	IEC 60309 16/20A 3P+N+E	(12) C13 + (12) C19	11.5 kW	11.5kW	42U & higher
EA-4039-C	EA-4039-E	EA-4039-CE	16/20A	IEC 60309 16/20A 3P+N+E	(36) C13	11.5 kW	11.5kW	42U & higher
EA-4047-C	EA-4047-E	EA-4047-CE	16/20A	IEC 60309 16/20A 3P+N+E	(24) C13 + (12) C19	11.5 kW	11.5kW	42U & higher
EA-4022-C	EA-4022-E	EA-4022-CE	32A	IEC 60309 32A 3P+N+E	(18) C13 + (6) C19	23 kW	18.4kW	42U & higher
EA-4031-C	EA-4031-E	EA-4031-CE	32A	IEC 60309 32A 3P+N+E	(12) C13 + (12) C19	23 kW	18.4kW	42U & higher
EA-4040-C	EA-4040-E	EA-4040-CE	32A	IEC 60309 32A 3P+N+E	(36) C13	23 kW	18.4kW	42U & higher
EA-4048-C	EA-4048-E	EA-4048-CE	32A	IEC 60309 32A 3P+N+E	(24) C13 + (12) C19	23 kW	18.4kW	42U & higher
EA-4765-C*	EA-4765-E*	EA-4765-CE*	32A	IEC60309 32A 3P+N+E	(36) C13 + (12) C19	23 kW	23 kW	45U & higher
EA-4758-C*	EA-4758-E*	EA-4758-CE*	32A	IEC60309 32A 3P+N+E	(48) C13	23 kW	23 kW	45U & higher
EA-4049-C	EA-4049-E	EA-4049-CE	60A	IEC60309 60A 3P+N+E	(24) C13 + (12) C19	34.5 kW	34.5 kW	42U & higher
EA-4766-C*	EA-4766-E*	EA-4766-CE*	60A	IEC60309 60A 3P+N+E	(24) C13 + (12) C19	34.5 kW	34.5 kW	45U & higher
EA-4759-C*	EA-4759-E*	EA-4759-CE*	60A	IEC60309 60A 3P+N+E	(48) C13	34.5 kW	34.5 kW	45U & higher
EA-4768-C*	EA-4768-E*	EA-4768-CE*	60A	AC Terminal Block 3P5W	(36) C13 + (12) C19	34.5 kW	34.5 kW	45U & higher
EA-4761-C*	EA-4761-E*	EA-4761-CE*	60A	AC Terminal Block 3P5W	(48) C13	34.5 kW	34.5 kW	45U & higher
EA-41B5-C*	EA-41B5-E*	EA-41B5-CE*	100A	IEC60309 100A 3P+N+E	(18) C13 + (18) C19	51.8 kW	51.8 kW	45U & higher
EA-47B6-C*	EA-47B6-E*	EA-47B6-CE*	100A	IEC60309 100A 3P+N+E	(24) C13 + (24) C19	57.5 kW	57.5 kW	45U & higher
EA-47B7-C*	EA-47B7-E*	EA-47B7-CE*	100A	AC Terminal Block 3P5W	(24) C13 + (24) C19	57.5 kW	57.5 kW	45U & higher

Notes: \*These configurations are 3.8" wide. All other vertical configurations are 2.2" wide.

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

**MONITORED PRO ECONNECT® PDU – HORIZONTAL**

<b>Monitored Pro eConnect PDU, Horizontal - North America</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (UL)</b>	<b>Form Factor (U) Height</b>	
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>120 Volt, Single-Phase Input</b>								
EA-4274-C	EA-4274-E	EA-4274-CE	20A	C20 Inlet to L5-20	(12) 5-20	1.9 kW	1U	
EA-4275-C	EA-4275-E	EA-4275-CE	30A	NEMA L5-30P	(12) 5-20	2.9 kW	1U	
<b>208 Volt, Single-Phase Input</b>								
EA-4276-C	EA-4276-E	EA-4276-CE	20A	C20 Inlet to L6-20	(12) C13	3.3 kW	1U	
EA-4293-C	EA-4293-E	EA-4293-CE	20A	C20 Inlet to L6-20	(8) C13 + (4) C19	3.3 kW	1U	
EA-4277-C	EA-4277-E	EA-4277-CE	30A	NEMA L6-30P	(12) C13	5 kW	1U	
EA-4284-C	EA-4284-E	EA-4284-CE	30A	NEMA L6-30P	(9) C19	5 kW	1U	
EA-4294-C	EA-4294-E	EA-4294-CE	30A	NEMA L6-30P	(8) C13 + (4) C19	5 kW	1U	
<b>120/208 Volt, Three-Phase Input</b>								
EA-4279-C	EA-4279-E	EA-4279-CE	20A	NEMA L21-20P	(12) C13	5.7 kW	1U	
EA-4279-C	EA-4279-E	EA-4279-CE	20A	NEMA L21-20P	(12) C13	5.7 kW	1U	
EA-4296-C	EA-4296-E	EA-4296-CE	20A	NEMA L21-20P	(8) C13 + (4) C19	5.7 kW	1U	
EA-4280-C	EA-4280-E	EA-4280-CE	30A	NEMA L21-30P	(12) C13	8.6 kW	1U	
EA-4287-C	EA-4287-E	EA-4287-CE	30A	NEMA L21-30P	(9) C19	8.6 kW	1U	
EA-4297-C	EA-4297-E	EA-4297-CE	30A	NEMA L21-30P	(8) C13 + (4) C19	8.6 kW	1U	
<b>208 Volt, Three-Phase Input</b>								
EA-4278-C	EA-4278-E	EA-4278-CE	30A	NEMA L15-30P	(12) C13	8.6 kW	1U	
EA-4285-C	EA-4285-E	EA-4285-CE	30A	NEMA L15-30P	(9) C19	8.6 kW	1U	
EA-4295-C	EA-4295-E	EA-4295-CE	30A	NEMA L15-30P	(8) C13 + (4) C19	8.6 kW	1U	

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

<b>Monitored Pro eConnect PDU, Horizontal - Worldwide</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (CE)</b>	<b>kW Capacity North America (UL)</b>	<b>Form Factor (U) Height</b>
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>220 - 240 Volt, Single-Phase Input</b>								
EA-4281-C	EA-4281-E	EA-4281-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(12) C13	3.8 kW	3.8 kW	1U
EA-4298-C	EA-4298-E	EA-4298-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(8) C13 + (4) C19	3.8 kW	3.8 kW	1U
EA-4283-C	EA-4283-E	EA-4283-CE	32A	IEC 60309 32A 1P+N+E	(12) C13	7.7 kW	6.1 kW	1U
EA-4289-C	EA-4289-E	EA-4289-CE	32A	IEC 60309 32A 1P+N+E	(9) C19	7.7 kW	6.1 kW	1U
EA-42A0-C	EA-42A0-E	EA-42A0-CE	32A	IEC 60309 32A 1P+N+E	(8) C13 + (4) C19	7.7 kW	6.1 kW	1U
<b>220 - 240/380-415 Volt, Three-Phase Input</b>								
EA-4282-C	EA-4282-E	EA-4282-CE	16/20A	IEC 60309 16/20A 3P+N+E	(12) C13	11.5 kW	11.5 kW	1U
EA-4288-C	EA-4288-E	EA-4288-CE	16/20A	IEC 60309 16/20A 3P+N+E	(9) C19	11.5 kW	11.5 kW	1U
EA-4299-C	EA-4299-E	EA-4299-CE	16/20A	IEC 60309 16/20A 3P+N+E	(8) C13 + (4) C19	11.5 kW	11.5 kW	1U

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

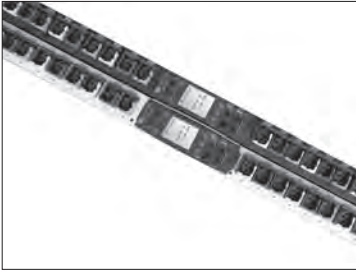
**MONITORED PRO ECONNECT® PDU – HORIZONTAL**

<b>Monitored Pro eConnect PDU, Horizontal - North America</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (UL)</b>	<b>Form Factor (U) Height</b>	
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>120 Volt, Single-Phase Input</b>								
EA-4401-C	EA-4401-E	EA-4401-CE	20A	C20 Inlet to L5-20	(24) 5-20	1.9 kW		2U
EA-4402-C	EA-4402-E	EA-4402-CE	30A	NEMA L5-30P	(24) 5-20	2.9 kW		2U
<b>208 Volt, Single-Phase Input</b>								
EA-4470-C	EA-4470-E	EA-4470-CE	20A	C20 Inlet to L6-20	(24) C13	3.3 kW		2U
EA-4469-C	EA-4469-E	EA-4469-CE	20A	C20 Inlet to L6-20	(18) C13 + (6) C19	3.3 kW		2U
EA-4404-C	EA-4404-E	EA-4404-CE	30A	NEMA L6-30P	(24) C13	5 kW		2U
EA-4412-C	EA-4412-E	EA-4412-CE	30A	NEMA L6-30P	(18) C13 + (6) C19	5 kW		2U
EA-44A1-C	EA-44A1-E	EA-44A1-CE	30A	NEMA L6-30P	(6) C13 + (12) C19	5 kW		2U
<b>120/208 Volt, Single-Phase Input</b>								
EA-4492-C	EA-4492-E	EA-4492-CE	30A	NEMA L14-30P	(12) C13 + (6) C19 + (4) 5-20	5 kW		2U
<b>120/208 Volt, Three-Phase Input</b>								
EA-4406-C	EA-4406-E	EA-4406-CE	20A	NEMA L21-20P	(24) C13	5.7 kW		2U
EA-4414-C	EA-4414-E	EA-4414-CE	20A	NEMA L21-20P	(18) C13 + (6) C19	5.7 kW		2U
EA-44A3-C	EA-44A3-E	EA-44A3-CE	20A	NEMA L21-20P	(6) C13 + (12) C19	5.7 kW		2U
EA-4490-C	EA-4490-E	EA-4490-CE	20A	NEMA L21-20P	(12) C13 + (6) C19 + (4) 5-20	5.7 kW		2U
EA-4407-C	EA-4407-E	EA-4407-CE	30A	NEMA L21-30P	(24) C13	8.6 kW		2U
EA-4415-C	EA-4415-E	EA-4415-CE	30A	NEMA L21-30P	(18) C13 + (6) C19	8.6 kW		2U
EA-44A5-C	EA-44A5-E	EA-44A5-CE	30A	NEMA L21-30P	(6) C13 + (12) C19	8.6 kW		2U
EA-4491-C	EA-4491-E	EA-4491-CE	30A	NEMA L21-30P	(12) C13 + (6) C19 + (4) 5-20	8.6 kW		2U
<b>208 Volt, Three-Phase Input</b>								
EA-4405-C	EA-4405-E	EA-4405-CE	30A	NEMA L15-30P	(24) C13	8.6 kW		2U
EA-4413-C	EA-4413-E	EA-4413-CE	30A	NEMA L15-30P	(18) C13 + (6) C19	8.6 kW		2U
EA-44A6-C	EA-44A6-E	EA-44A6-CE	30A	NEMA L15-30P	(6) C13 + (12) C19	8.6 kW		2U
EA-44A7-C	EA-44A7-E	EA-44A7-CE	50A	CS8365	(6) C13 + (12) C19	14.4 kW		2U
EA-44A8-C	EA-44A8-E	EA-44A8-CE	60A	IEC 60309 60A 3P+E	(6) C13 + (12) C19	17.2 kW		2U

<b>Monitored Pro eConnect PDU, Horizontal - Worldwide</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (CE)</b>	<b>kW Capacity North America (UL)</b>	<b>Form Factor (U) Height</b>
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>220 - 240 Volt, Single-Phase Input</b>								
EA-4408-C	EA-4408-E	EA-4408-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(24) C13	3.8 kW	3.8 kW	2U
EA-4419-C	EA-4419-E	EA-4419-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(18) C13 + (6) C19	3.8 kW	3.8 kW	2U
EA-4409-C	EA-4409-E	EA-4409-CE	32A	IEC 60309 32A 1P+N+E	(24) C13	7.7 kW	6.1 kW	2U
EA-4420-C	EA-4420-E	EA-4420-CE	32A	IEC 60309 32A 1P+N+E	(18) C13 + (6) C19	7.7 kW	6.1 kW	2U
EA-44A2-C	EA-44A2-E	EA-44A2-CE	32A	IEC 60309 32A 1P+N+E	(6) C13 + (12) C19	7.7 kW	6.1 kW	2U
<b>220 - 240/380-415 Volt, Three-Phase Input</b>								
EA-4410-C	EA-4410-E	EA-4410-CE	16/20A	IEC 60309 16/20A 3P+N+E	(24) C13	11.5 kW	11.5 kW	2U
EA-4421-C	EA-4421-E	EA-4421-CE	16/20A	IEC 60309 16/20A 3P+N+E	(18) C13 + (6) C19	11.5 kW	11.5 kW	2U
EA-44A4-C	EA-44A4-E	EA-44A4-CE	16/20A	IEC 60309 16/20A 3P+N+E	(6) C13 + (12) C19	11.5 kW	11.5 kW	2U
EA-44A9-C	EA-44A9-E	EA-44A9-CE	32A	IEC 60309 32A 3P+N+E	(6) C13 + (12) C19	23 kW	18.4 kW	2U

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.





*Vertical Options Only*

**Switched eConnect PDUs provide remote monitoring of power at the rack level and individual outlet control, making it possible to remotely turn power on or off at each outlet.**

#### **Reduced Networking Costs and Complexity**

Secure Array® allows the use of a single IP address for up to 48 connected PDUs (32 when electronic locks are integrated). Second IP address for the entire array provides failover capability.

#### **Resistance to High Temperature**

Market-leading temperature ratings of up to 149°F (65°C) ensures reliability when mounted toward hot aisles.

#### **Easy Identification of Failover Unit**

Redundancy Pack includes 2 PDUs (one in Black and one in Glacier White) for easy identification of the primary and secondary unit.

#### **Electronic Lock Integration**

Patented technology seamlessly integrates PDU, environmental sensors and electronic locks into a single hardware and software solution.

#### **Gigabit Ethernet**

Ensures compatibility with enterprise routers and switches.

#### **Latest UL Compliance**

Meets UL and IEC 62368 for compliance with new listing requirements for North America and the European Union.

#### **Cabinet Preinstallation**

Complete ecosystem ships ready for IT equipment integration. Saves deployment time and reduces packaging waste.

## **Switched eConnect PDU**

### **Additional Features:**

- Individual outlet monitoring; outlet grouping
- Field-replaceable controller module for easy serviceability and upgradeability while maintaining power to critical loads; SD-card transfers PDU configuration
- Onboard GUI, RESTful API, SNMP v1/v2/v3, Command Line Interface (CLI), and native Power IQ® DCIM software integration allows users to easily manage PDUs
- Zero Touch Provisioning (ZTP) automates configuration and provisioning of large deployments of PDUs.
- HTTPs support, 802.1x support, RADIUS and LDAP integration for enhanced authentication and security
- Customization capabilities: outlet configurations, color options, power cord length, input connection types and more
- Made in the United States, TAA-compliant

### **Specifications:**

- Single-input, vertical rack-mount PDUs
  - Circuit Protection:
    - UL 489 listed, single- or two-pole, hydraulic-magnetic breakers available on single- and three-phase models with 30A and above input
    - 30A Breakers for 208V, 100A, 415V, 60A and 415V, 100A configurations
    - Low-profile design prevents accidental disconnections
  - Metering
    - Input line currents
    - Voltage, current, power, energy and power factor at branch circuits; +/- 1% billing
  - Switching
    - Ability to turn on/off and cycle power to individual or group of outlets using bistable latching relays
    - Ability to name individual outlets to identify attached equipment
    - Status indicator LED light for individual outlets
    - Grouping of outlets for consolidated power control
  - Power Input:
    - Alternating current, 50/60 Hz, 10 ft (3 m) input cord or Terminal Block available as standard; custom lengths between 3 - 15 ft. available
    - Voltage, maximum current, and inlet/plug type varies per model (see ordering table)
  - Power Output:
    - NEMA 5-20R, Locking IEC C13 and/or IEC C19 Outlets, specific to PDU with up to 54 outlets (see order table)
  - Console Access:
    - Through serial console port connection and Command Line Interface (CLI)
  - Firmware:
    - Flash upgradeable through USB port, Web interface, CLI, API or PowerIQ
  - Electronic Lock Integration:
    - Front and rear cabinet door locks (ordered separately) connected to AUX ports on the PDU
    - Door locks are powered from and remotely accessed through the PDU
  - Mounting:
    - Vertical PDUs: (2) preinstalled tool-less mounting buttons; adjustable positions
    - Top or bottom power cord entry orientation
    - Horizontal PDUs: Include rack-mount brackets for 19"EIA (482.6 mm) racks
  - Shipping Weights:
    - Vertical PDUs: 27 lb (12 kg) single unit; 54 lb (24 kg) Redundancy Pack
  - Warranty: 3 years standard with advanced replacement; 2 additional years optional
  - Patent: [chatsworth.com/patents](http://chatsworth.com/patents)
- ### **Certifications:**
- NEMKO certified to UL/IEC62368, CE (EU), FCC Part 15, Class A, EN 55022, RoHS Compliant

**SWITCHED ECONNECT® PDU – VERTICAL**

Switched eConnect PDU, Vertical - North America							
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity (UL)	Cabinet Capability
Black	Glacier White	Redundancy Pack**					
<b>120 Volt, Single-Phase Input</b>							
EA-5001-C	EA-5001-E	EA-5001-CE	20A	C20 Inlet to L5-20	(24) 5-20	1.9 kW	42U & higher
EA-5002-C	EA-5002-E	EA-5002-CE	30A	L5-30	(24) 5-20	2.9 kW	42U & higher
<b>208 Volt, Single-Phase Input</b>							
EA-5069-C	EA-5069-E	EA-5069-CE	20A	C20 Inlet to L6-20	(18) C13 + (6) C19	3.3 kW	42U & higher
EA-5070-C	EA-5070-E	EA-5070-CE	20A	C20 Inlet to L6-20	(24) C13	3.3 kW	42U & higher
EA-5004-C	EA-5004-E	EA-5004-CE	30A	L6-30	(24) C13	5 kW	42U & higher
EA-5012-C	EA-5012-E	EA-5012-CE	30A	L6-30	(18) C13 + (6) C19	5 kW	42U & higher
<b>120/208 Volt, Three-Phase Input</b>							
EA-5006-C	EA-5006-E	EA-5006-CE	20A	L21-20	(24) C13	5.7 kW	42U & higher
EA-5014-C	EA-5014-E	EA-5014-CE	20A	L21-20	(18) C13 + (6) C19	5.7 kW	42U & higher
EA-5025-C	EA-5025-E	EA-5025-CE	20A	L21-20	(18) C13 + (6) C19 Outlets + (3) 5-20 Convenience Outlets***	5.7 kW	42U & higher
EA-5007-C	EA-5007-E	EA-5007-CE	30A	L21-30	(24) C13	8.6 kW	42U & higher
EA-5015-C	EA-5015-E	EA-5015-CE	30A	L21-30	(18) C13 + (6) C19	8.6 kW	42U & higher
EA-5026-C	EA-5026-E	EA-5026-CE	30A	L21-30	(18) C13 + (6) C19 Outlets + (3) 5-20 Convenience Outlets***	8.6 kW	42U & higher
EA-5035-C	EA-5035-E	EA-5035-CE	30A	L21-30	(36) C13	8.6 kW	42U & higher
<b>208 Volt, Three-Phase Input</b>							
EA-5005-C	EA-5005-E	EA-5005-CE	30A	L15-30	(24) C13	8.6 kW	42U & higher
EA-5013-C	EA-5013-E	EA-5013-CE	30A	L15-30	(18) C13 + (6) C19	8.6 kW	42U & higher
EA-5034-C	EA-5034-E	EA-5034-CE	30A	L15-30	(36) C13	8.6 kW	42U & higher
EA-5016-C	EA-5016-E	EA-5016-CE	50A	CS8365	(18) C13 + (6) C19	14.4 kW	42U & higher
EA-5027-C	EA-5027-E	EA-5027-CE	50A	CS8365	(12) C13 + (12) C19	14.4 kW	42U & higher
EA-5136-C	EA-5136-E	EA-5136-CE	50A	CS8365	(36) C13	14.4 kW	45U & higher
EA-5144-C	EA-5144-E	EA-5144-CE	50A	CS8365	(24) C13 + (12) C19	14.4 kW	45U & higher
EA-5017-C	EA-5017-E	EA-5017-CE	60A	IEC 60309 60A 3P+E	(18) C13 + (6) C19	17.2 kW	42U & higher
EA-5028-C	EA-5028-E	EA-5028-CE	60A	IEC 60309 60A 3P+E	(12) C13 + (12) C19	17.2 kW	42U & higher
EA-5137-C	EA-5137-E	EA-5137-CE	60A	IEC 60309 60A 3P+E	(36) C13	17.2 kW	45U & higher
EA-5145-C	EA-5145-E	EA-5145-CE	60A	IEC 60309 60A 3P+E	(24) C13 + (12) C19	17.2 kW	45U & higher
<b>240/415 Volt, Three-Phase Input</b>							
EA-5018-C	EA-5018-E	EA-5018-CE	30A	L22-30	(18) C13 + (6) C19	17.2 kW	42U & higher
EA-5029-C	EA-5029-E	EA-5029-CE	30A	L22-30	(12) C13 + (12) C19	17.2 kW	42U & higher
EA-5038-C	EA-5038-E	EA-5038-CE	30A	L22-30	(36) C13	17.2 kW	42U & higher
EA-5046-C	EA-5046-E	EA-5046-CE	30A	L22-30	(24) C13 + (12) C19	17.2 kW	42U & higher

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

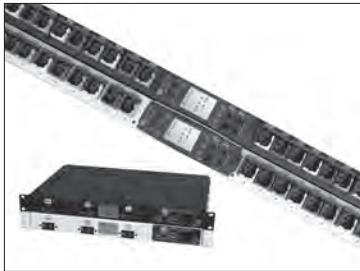
## SWITCHED ECONNECT® PDU – VERTICAL

Switched eConnect PDU, Vertical - Worldwide								
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity Worldwide (CE)	kW Capacity North America (UL)	Cabinet Capability
Black	Glacier White	Redundancy Pack**						
<b>220 - 240 Volt, Single-Phase Input</b>								
EA-5008-C	EA-5008-E	EA-5008-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(24) C13	3.8 kW	3.8 kW	42U & higher
EA-5019-C	EA-5019-E	EA-5019-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(18) C13 + (6) C19	3.8 kW	3.8 kW	42U & higher
EA-5009-C	EA-5009-E	EA-5009-CE	32A	IEC 60309 32A 1P+N+E	(24) C13	7.7 kW	6.1 kW	42U & higher
EA-5020-C	EA-5020-E	EA-5020-CE	32A	IEC 60309 32A 1P+N+E	(18) C13 + (6) C19	7.7 kW	6.1 kW	42U & higher
<b>220-240/380-415 Volt, Three-Phase Input</b>								
EA-5010-C	EA-5010-E	EA-5010-CE	16/20A	IEC 60309 16/20A 3P+N+E	(24) C13	11.5 kW	11.5 kW	42U & higher
EA-5021-C	EA-5021-E	EA-5021-CE	16/20A	IEC 60309 16/20A 3P+N+E	(18) C13 + (6) C19	11.5 kW	11.5 kW	42U & higher
EA-5030-C	EA-5030-E	EA-5030-CE	16/20A	IEC 60309 16/20A 3P+N+E	(12) C13 + (12) C19	11.5 kW	11.5 kW	42U & higher
EA-5039-C	EA-5039-E	EA-5039-CE	16/20A	IEC 60309 16/20A 3P+N+E	(36) C13	11.5 kW	11.5 kW	42U & higher
EA-5047-C	EA-5047-E	EA-5047-CE	16/20A	IEC 60309 16/20A 3P+N+E	(24) C13 + (12) C19	11.5 kW	11.5 kW	42U & higher
EA-5022-C	EA-5022-E	EA-5022-CE	32A	IEC 60309 32A 3P+N+E	(18) C13 + (6) C19	23 kW	18.4 kW	42U & higher
EA-5031-C	EA-5031-E	EA-5031-CE	32A	IEC 60309 32A 3P+N+E	(12) C13 + (12) C19	23 kW	18.4 kW	42U & higher
EA-5040-C	EA-5040-E	EA-5040-CE	32A	IEC 60309 32A 3P+N+E	(36) C13	23 kW	18.4 kW	42U & higher
EA-5048-C	EA-5048-E	EA-5048-CE	32A	IEC 60309 32A 3P+N+E	(24) C13 + (12) C19	23 kW	18.4 kW	42U & higher

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



The Power Selector enables you to select the best power product for your application by narrowing down options based on your requirements. After you're done comparing, you can email or print the results. Visit [selectapdu.com](http://selectapdu.com) to access the Power Selector.



**Vertical and Horizontal Options Available**

**Switched Pro eConnect PDUs provide remote power monitoring and control for each outlet on the PDU, making it possible to remotely measure and cycle power for each piece of equipment attached to the PDU.**

**Reduced Networking Costs and Complexity**  
Secure Array® allows the use of a single IP address for up to 48 connected PDUs (32 when electronic locks are integrated). Second IP address for the entire array provides failover capability.

#### **Resistance to High Temperature**

Market-leading temperature ratings of up to 149°F (65°C) ensures reliability when mounted toward hot aisles.

#### **Easy Identification of Failover Unit**

Redundancy Pack includes 2 PDUs (one in Black and one in Glacier White) for easy identification of the primary and secondary unit.

#### **Gigabit Ethernet**

Ensures compatibility with enterprise routers and switches.

#### **Latest UL Compliance**

Meets UL and IEC 62368 for compliance with new listing requirements for North America and the European Union.

#### **Cabinet Preinstallation**

Complete ecosystem ships ready for IT equipment integration. Saves deployment time and reduces packaging waste.

#### **High Power Configurations**

Configurations supporting up to 100A Input provide an optimized solution for GPU & AI based applications. 30A branch circuit breakers provide flexibility when plugging high power IT equipment.

## **Switched Pro eConnect PDU**

### **Additional Features:**

- Individual outlet monitoring; outlet grouping
- Field-replaceable controller module for easy serviceability and upgradeability while maintaining power to critical loads; SD-card transfers PDU configuration
- Bistable latching relays for reduced energy consumption and increased service reliability; maintains last state of power outlet if power is interrupted
- Input and branch circuit monitoring with billing-grade +/-1% accuracy
- Onboard GUI, RESTful API, SNMP v1/v2/v3, Command Line Interface (CLI), and native Power IQ® DCIM software integration allows users to easily manage PDUs
- Zero Touch Provisioning (ZTP) automates configuration and provisioning of large deployments of PDUs
- HTTPs support, 802.1x support, RADIUS and LDAP integration for enhanced authentication and security
- Customization capabilities: outlet configurations, color options, power cord length, input connection types and more
- Made in the United States, TAA-compliant

### **Specifications:**

- Single-input, vertical and horizontal rack-mount PDUs
- Circuit Protection:
  - UL 489 listed, single- or two-pole, hydraulic-magnetic breakers available on single- and three-phase models with 30A and above input
  - 30A Breakers for 208V, 100A, 415V, 60A and 415V, 100A configurations
  - Low-profile design prevents accidental disconnections
- Metering
  - Voltage, current, power, energy and power factor at branch circuits; +/- 1% billing
- Switching
  - Ability to turn on/off and cycle power to individual or group of outlets using bistable latching relays
  - Ability to name individual outlets to identify attached equipment
  - Status indicator LED light for individual outlets
  - Grouping of outlets for consolidated power control
- Power Input:
  - Alternating current, 50/60 Hz, 10 ft (3 m) input cord or Terminal Block available as standard; custom lengths between 3 - 15 ft. available
  - Voltage, maximum current, and inlet/plug type varies per model (see ordering table)
- Power Output:
  - NEMA 5-20R, Locking IEC C13 and/or IEC C19 Outlets, specific to PDU with up to 54 outlets (see order table)
- Console Access:
  - Through serial console port connection and Command Line Interface (CLI)
- Firmware:
  - Flash upgradeable through USB port, Web interface, CLI, API or PowerIQ
- Electronic Lock Integration:
  - Front and rear cabinet door locks (ordered separately) connected to AUX ports
  - Door locks are powered from and remotely accessed through the PDU
- Mounting:
  - Vertical PDUs: (2) preinstalled tool-less mounting buttons; adjustable positions
  - Top or bottom power cord entry orientation
  - Horizontal PDUs: Include rack-mount brackets for 19" EIA (482.6 mm) racks
- Shipping Weights:
  - Vertical PDUs: 27 lb (12 kg) single unit; 54 lb (24 kg) Redundancy Pack
- Warranty: 3 years standard with advanced replacement; 2 additional years optional
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

### **Certifications:**

- NEMKO certified to UL/IEC62368, CE (EU), FCC Part 15, Class A, EN 55022, RoHS Compliant

**SWITCHED PRO ECONNECT® PDU – VERTICAL**

Switched Pro eConnect PDU, Vertical - North America							
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity (UL)	Cabinet Capability
Black	Glacier White	Redundancy Pack**					
<b>120 Volt, Single-Phase Input</b>							
EA-6001-C	EA-6001-E	EA-6001-CE	20A	C20 Inlet to L5-20	(24) 5-20	1.9 kW	42U & higher
EA-6002-C	EA-6002-E	EA-6002-CE	30A	L5-30	(24) 5-20	2.9 kW	42U & higher
<b>208 Volt, Single-Phase Input</b>							
EA-6069-C	EA-6069-E	EA-6069-CE	20A	C20 Inlet to L6-20	(18) C13 + (6) C19	3.3 kW	42U & higher
EA-6070-C	EA-6070-E	EA-6070-CE	20A	C20 Inlet to L6-20	(24) C13	3.3 kW	42U & higher
EA-6004-C	EA-6004-E	EA-6004-CE	30A	L6-30	(24) C13	5 kW	42U & higher
EA-6012-C	EA-6012-E	EA-6012-CE	30A	L6-30	(18) C13 + (6) C19	5 kW	42U & higher
<b>120/208 Volt, Three-Phase Input</b>							
EA-6006-C	EA-6006-E	EA-6006-CE	20A	L21-20	(24) C13	5.7 kW	42U & higher
EA-6014-C	EA-6014-E	EA-6014-CE	20A	L21-20	(18) C13 + (6) C19	5.7 kW	42U & higher
EA-6025-C	EA-6025-E	EA-6025-CE	20A	L21-20	(18) C13 + (6) C19 Outlets + (3) 5-20 Convenience Outlets***	5.7 kW	42U & higher
EA-6007-C	EA-6007-E	EA-6007-CE	30A	L21-30	(24) C13	8.6 kW	42U & higher
EA-6015-C	EA-6015-E	EA-6015-CE	30A	L21-30	(18) C13 + (6) C19	8.6 kW	42U & higher
EA-6026-C	EA-6026-E	EA-6026-CE	30A	L21-30	(18) C13 + (6) C19 Outlets + (3) 5-20 Convenience Outlets***	8.6 kW	42U & higher
EA-6035-C	EA-6035-E	EA-6035-CE	30A	L21-30	(36) C13	8.6 kW	42U & higher
EA-6772-C*	EA-6772-E*	EA-6772-CE*	30A	L21-30	(36) C13 + (12) C19	8.6 kW	45U & higher
EA-6753-C*	EA-6753-E*	EA-6753-CE*	30A	L21-30	(48) C13	8.6 kW	45U & higher
<b>208 Volt, Three-Phase Input</b>							
EA-6005-C	EA-6005-E	EA-6005-CE	30A	L15-30	(24) C13	8.6 kW	42U & higher
EA-6013-C	EA-6013-E	EA-6013-CE	30A	L15-30	(18) C13 + (6) C19	8.6 kW	42U & higher
EA-6034-C	EA-6034-E	EA-6034-CE	30A	L15-30	(36) C13	8.6 kW	42U & higher
EA-6771-C*	EA-6771-E*	EA-6771-CE*	30A	L15-30	(36) C13 + (12) C19	8.6 kW	45U & higher
EA-6752-C*	EA-6752-E*	EA-6752-CE*	30A	L15-30	(48) C13	8.6 kW	45U & higher
EA-6762-C*	EA-6762-E*	EA-6762-CE*	50A	L21-30	(36) C13 + (12) C19	8.6 kW	45U & higher
EA-6016-C	EA-6016-E	EA-6016-CE	50A	CS8365	(18) C13 + (6) C19	14.4 kW	42U & higher
EA-6027-C	EA-6027-E	EA-6027-CE	50A	CS8365	(12) C13 + (12) C19	14.4 kW	42U & higher
EA-6136-C	EA-6136-E	EA-6136-CE	50A	CS8365	(36) C13	14.4 kW	45U & higher
EA-6144-C	EA-6144-E	EA-6144-CE	50A	CS8365	(24) C13 + (12) C19	14.4 kW	45U & higher
EA-6754-C*	EA-6754-E*	EA-6754-CE*	50A	CS8365	(48) C13	14.4 kW	45U & higher
EA-6017-C	EA-6017-E	EA-6017-CE	60A	IEC 60309 60A 3P+E	(18) C13 + (6) C19	17.2 kW	42U & higher
EA-6028-C	EA-6028-E	EA-6028-CE	60A	IEC 60309 60A 3P+E	(12) C13 + (12) C19	17.2 kW	42U & higher
EA-6137-C	EA-6137-E	EA-6137-CE	60A	IEC 60309 60A 3P+E	(36) C13	17.2 kW	45U & higher
EA-6145-C	EA-6145-E	EA-6145-CE	60A	IEC 60309 60A 3P+E	(24) C13 + (12) C19	17.2 kW	45U & higher
EA-6763-C*	EA-6763-E*	EA-6763-CE*	60A	IEC 60309 60A 3P+E	(36) C13 + (12) C19	17.2 kW	45U & higher
EA-6755-C*	EA-6755-E*	EA-6755-CE*	60A	IEC 60309 60A 3P+E	(48) C13	17.2 kW	45U & higher

Notes: \*These configurations are 3.8" wide. All other vertical configurations are 2.2" wide.

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

\*\*\*Convenience 5-20 outlets do not provide monitoring or switching capabilities

## SWITCHED PRO ECONNECT® PDU – VERTICAL

Switched Pro eConnect PDU, Vertical - North America							
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity (UL)	Cabinet Capability
Black	Glacier White	Redundancy Pack**					
<b>120 Volt, Single-Phase Input</b>							
<b>208 Volt, Three-Phase Input</b>							
EA-61B1-C	EA-61B1-E	EA-61B1-CE	100A	IEC 60309 100A 3P+E	(24) C13 + (12) C19	28.8 kW	45U & higher
EA-67B3-C*	EA-67B3-E*	EA-67B3-CE*	100A	IEC 60309 100A 3P+E	(36) C13 + (12) C19	28.8 kW	45U & higher
EA-67B4-C*	EA-67B4-E*	EA-67B4-CE*	100A	IEC 60309 100A 3P+E	(48) C13	28.8 kW	45U & higher
EA-6150-C	EA-6150-E	EA-6150-CE	100A	AC Terminal Block 3P4W	(24) C13 + (12) C19	28.8 kW	45U & higher
EA-6767-C*	EA-6767-E*	EA-6767-CE*	100A	AC Terminal Block 3P4W	(36) C13 + (12) C19	28.8 kW	45U & higher
EA-6760-C*	EA-6760-E*	EA-6760-CE*	100A	AC Terminal Block 3P4W	(48) C13	28.8 kW	45U & higher
<b>240/415 Volt, Three-Phase Input</b>							
EA-6018-C	EA-6018-E	EA-6018-CE	30A	L22-30	(18) C13 + (6) C19	17.2 kW	42U & higher
EA-6029-C	EA-6029-E	EA-6029-CE	30A	L22-30	(12) C13 + (12) C19	17.2 kW	42U & higher
EA-6038-C	EA-6038-E	EA-6038-CE	30A	L22-30	(36) C13	17.2 kW	42U & higher
EA-6046-C	EA-6046-E	EA-6046-CE	30A	L22-30	(24) C13 + (12) C19	17.2 kW	42U & higher

Notes: \*These configurations are 3.8" wide. All other vertical configurations are 2.2" wide.

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

Switched Pro eConnect PDU, Vertical - Worldwide								
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity Worldwide (CE)	kW Capacity North America (UL)	Cabinet Capability
Black	Glacier White	Redundancy Pack**						
<b>220 - 240 Volt, Single-Phase Input</b>								
EA-6008-C	EA-6008-E	EA-6008-CE	16/20A	C20 Inlet to IEC 60309 16/20A 1P+N+E	(24) C13	3.8 kW	3.8 kW	42U & higher
EA-6019-C	EA-6019-E	EA-6019-CE	16/20A	C20 Inlet to IEC 60309 16/20A 1P+N+E	(18) C13 + (6) C19	3.8 kW	3.8 kW	42U & higher
EA-6009-C	EA-6009-E	EA-6009-CE	32A	IEC 60309 32A 1P+N+E	(24) C13	7.7 kW	6.1 kW	42U & higher
EA-6020-C	EA-6020-E	EA-6020-CE	32A	IEC 60309 32A 1P+N+E	(18) C13 + (6) C19	7.7 kW	6.1 kW	42U & higher

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



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## SWITCHED PRO ECONNECT® PDU – VERTICAL

Switched Pro eConnect PDU, Vertical - Worldwide								
Part Number			Input Amperage	Input Plug	Outlets	kW Capacity Worldwide (CE)	kW Capacity North America (UL)	Cabinet Capability
Black	Glacier White	Redundancy Pack**						
<b>220-240/380-415 Volt, Three-Phase Input</b>								
EA-6010-C	EA-6010-E	EA-6010-CE	16/20A	IEC 60309 16/20A 3P+N+E	(24) C13	11.5 kW	11.5 kW	42U & higher
EA-6021-C	EA-6021-E	EA-6021-CE	16/20A	IEC 60309 16/20A 3P+N+E	(18) C13 + (6) C19	11.5 kW	11.5 kW	42U & higher
EA-6030-C	EA-6030-E	EA-6030-CE	16/20A	IEC 60309 16/20A 3P+N+E	(12) C13 + (12) C19	11.5 kW	11.5 kW	42U & higher
EA-6039-C	EA-6039-E	EA-6039-CE	16/20A	IEC 60309 16/20A 3P+N+E	(36) C13	11.5 kW	11.5 kW	42U & higher
EA-6047-C	EA-6047-E	EA-6047-CE	16/20A	IEC 60309 16/20A 3P+N+E	(24) C13 + (12) C19	11.5 kW	11.5 kW	42U & higher
EA-6022-C	EA-6022-E	EA-6022-CE	32A	IEC 60309 32A 3P+N+E	(18) C13 + (6) C19	23 kW	18.4 kW	42U & higher
EA-6031-C	EA-6031-E	EA-6031-CE	32A	IEC 60309 32A 3P+N+E	(12) C13 + (12) C19	23 kW	18.4 kW	42U & higher
EA-6040-C	EA-6040-E	EA-6040-CE	32A	IEC 60309 32A 3P+N+E	(36) C13	23 kW	18.4 kW	42U & higher
EA-6048-C	EA-6048-E	EA-6048-CE	32A	IEC 60309 32A 3P+N+E	(24) C13 + (12) C19	23 kW	18.4 kW	42U & higher
EA-6765-C*	EA-6765-E*	EA-6765-CE*	32A	IEC60309 32A 3P+N+E	(36) C13 + (12) C19	23 kW	23 kW	45U & higher
EA-6758-C*	EA-6758-E*	EA-6758-CE*	32A	IEC60309 32A 3P+N+E	(48) C13	23 kW	23 kW	45U & higher
EA-6049-C	EA-6049-E	EA-6049-CE	60A	IEC60309 60A 3P+N+E	(24) C13 + (12) C19	34.5 kW	34.5 kW	42U & higher
EA-6766-C*	EA-6766-E*	EA-6766-CE*	60A	IEC60309 60A 3P+N+E	(36) C13 + (12) C19	34.5 kW	34.5 kW	45U & higher
EA-6759-C*	EA-6759-E*	EA-6759-CE*	60A	IEC60309 60A 3P+N+E	(48) C13	34.5 kW	34.5 kW	45U & higher
EA-6768-C*	EA-6768-E*	EA-6768-CE*	60A	AC Terminal Block 3P5W	(36) C13 + (12) C19	34.5 kW	34.5 kW	45U & higher
EA-6761-C*	EA-6761-E*	EA-6761-CE*	60A	AC Terminal Block 3P5W	(48) C13	34.5 kW	34.5 kW	45U & higher
EA-67B6-C*	EA-67B6-E*	EA-67B6-CE*	100A	IEC60309 100A 3P+N+E	(24) C13 + (24) C19	57.5 kW	57.5 kW	45U & higher
EA-61B5-C	EA-61B5-E	EA-61B5-CE	100A	IEC60309 100A 3P+N+E	(18) C13 + (18) C19	51.8 kW	51.8 kW	45U & higher
EA-67B7-C*	EA-67B7-E*	EA-67B7-CE*	100A	AC Terminal Block 3P5W	(24) C13 + (24) C19	57.5 kW	57.5 kW	45U & higher

Notes: \*These configurations are 3.6" wide. All other vertical configurations are 2.2" wide.

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



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**SWITCHED PRO ECONNECT® PDU – HORIZONTAL**

<b>Switched Pro eConnect PDU, Horizontal - North America</b>							
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (UL)</b>	<b>Form Factor (U) Height</b>
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>					
<b>120 Volt, Single-Phase Input</b>							
EA-6274-C	EA-6274-E	EA-6274-CE	20A	C20 Inlet to L5-20	(12) 5-20	1.9 kW	1U
EA-6275-C	EA-6275-E	EA-6275-CE	30A	NEMA L5-30P	(12) 5-20	2.9 kW	1U
<b>208 Volt, Single-Phase Input</b>							
EA-6276-C	EA-6276-E	EA-6276-CE	20A	C20 Inlet to L6-20	(12) C13	3.3 kW	1U
EA-6293-C	EA-6293-E	EA-6293-CE	20A	C20 Inlet to L6-20	(8) C13 + (4) C19	3.3 kW	1U
EA-6277-C	EA-6277-E	EA-6277-CE	30A	NEMA L6-30P	(12) C13	5 kW	1U
EA-6284-C	EA-6284-E	EA-6284-CE	30A	NEMA L6-30P	(9) C19	5 kW	1U
EA-6294-C	EA-6294-E	EA-6294-CE	30A	NEMA L6-30P	(8) C13 + (4) C19	5 kW	1U
<b>120/208 Volt, Three-Phase Input</b>							
EA-6279-C	EA-6279-E	EA-6279-CE	20A	NEMA L21-20P	(12) C13	5.7 kW	1U
EA-6286-C	EA-6286-E	EA-6286-CE	20A	NEMA L21-20P	(9) C19	5.7 kW	1U
EA-6296-C	EA-6296-E	EA-6296-CE	20A	NEMA L21-20P	(8) C13 + (4) C19	5.7 kW	1U
EA-6280-C	EA-6280-E	EA-6280-CE	30A	NEMA L21-30P	(12) C13	8.6 kW	1U
EA-6287-C	EA-6287-E	EA-6287-CE	30A	NEMA L21-30P	(9) C19	8.6 kW	1U
EA-6297-C	EA-6297-E	EA-6297-CE	30A	NEMA L21-30P	(8) C13 + (4) C19	8.6 kW	1U
<b>208 Volt, Three-Phase Input</b>							
EA-6278-C	EA-6278-E	EA-6278-CE	30A	NEMA L15-30P	(12) C13	8.6 kW	1U
EA-6285-C	EA-6285-E	EA-6285-CE	30A	NEMA L15-30P	(9) C19	8.6 kW	1U
EA-6295-C	EA-6295-E	EA-6295-CE	30A	NEMA L15-30P	(8) C13 + (4) C19	8.6 kW	1U

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.

<b>Switched Pro eConnect PDU, Horizontal - Worldwide</b>								
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (CE)</b>	<b>kW Capacity North America (UL)</b>	<b>Form Factor (U) Height</b>
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>						
<b>220 - 240 Volt, Single-Phase Input</b>								
EA-6281-C	EA-6281-E	EA-6281-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(12) C13	3.8 kW	3.8 kW	1U
EA-6298-C	EA-6298-E	EA-6298-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(8) C13 + (4) C19	3.8 kW	3.8 kW	1U
EA-6283-C	EA-6283-E	EA-6283-CE	32A	IEC 60309 32A 1P+N+E	(12) C13	7.7 kW	6.1 kW	1U
EA-6289-C	EA-6289-E	EA-6289-CE	32A	IEC 60309 32A 1P+N+E	(9) C19	7.7 kW	6.1 kW	1U
EA-62A0-C	EA-62A0-E	EA-62A0-CE	32A	IEC 60309 32A 1P+N+E	(8) C13 + (4) C19	7.7 kW	6.1 kW	1U
<b>220 - 240/380-415 Volt, Three-Phase Input</b>								
EA-6282-C	EA-6282-E	EA-6282-CE	16/20A	IEC 60309 16/20A 3P+N+E	(12) C13	11.5 kW	11.5 kW	1U
EA-6288-C	EA-6288-E	EA-6288-CE	16/20A	IEC 60309 16/20A 3P+N+E	(9) C19	11.5 kW	11.5 kW	1U
EA-6299-C	EA-6299-E	EA-6299-CE	16/20A	IEC 60309 16/20A 3P+N+E	(8) C13 + (4) C19	11.5 kW	11.5 kW	1U

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



**SWITCHED PRO ECONNECT® PDU – HORIZONTAL**

<b>Switched Pro eConnect PDU, Horizontal - North America</b>									
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (UL)</b>	<b>Form Factor (U) Height</b>		
<b>Black*</b>	<b>Glacier White*</b>	<b>Redundancy Pack**</b>							
<b>120 Volt, Single-Phase Input</b>									
EA-6401-C	EA-6401-E	EA-6401-CE	20A	C20 Inlet to L5-20	(24) 5-20	1.9 kW	2U		
EA-6402-C	EA-6402-E	EA-6402-CE	30A	NEMA L5-30P	(24) 5-20	2.9 kW	2U		
<b>208 Volt, Single-Phase Input</b>									
EA-6470-C	EA-6470-E	EA-6470-CE	20A	C20 Inlet to L6-20	(24) C13	3.3 kW	2U		
EA-6469-C	EA-6469-E	EA-6469-CE	20A	C20 Inlet to L6-20	(18) C13 + (6) C19	3.3 kW	2U		
EA-6404-C	EA-6404-E	EA-6404-CE	30A	NEMA L6-30P	(24) C13	5 kW	2U		
EA-6412-C	EA-6412-E	EA-6412-CE	30A	NEMA L6-30P	(18) C13 + (6) C19	5 kW	2U		
EA-64A1-C	EA-64A1-E	EA-64A1-CE	30A	NEMA L6-30P	(6) C13 + (12) C19	5 kW	2U		
<b>120/208 Volt, Single-Phase Input</b>									
EA-6492-C	EA-6492-E	EA-6492-CE	30A	NEMA L14-30P	(12) C13 + (6) C19 + (4) 5-20	5 kW	2U		
<b>120/208 Volt, Three-Phase Input</b>									
EA-6406-C	EA-6406-E	EA-6406-CE	20A	NEMA L21-20P	(24) C13	5.7 kW	2U		
EA-6414-C	EA-6414-E	EA-6414-CE	20A	NEMA L21-20P	(18) C13 + (6) C19	5.7 kW	2U		
EA-64A3-C	EA-64A3-E	EA-64A3-CE	20A	NEMA L21-20P	(6) C13 + (12) C19	5.7 kW	2U		
EA-6490-C	EA-6490-E	EA-6490-CE	20A	NEMA L21-20P	(12) C13 + (6) C19 + (4) 5-20	5.7 kW	2U		
EA-6407-C	EA-6407-E	EA-6407-CE	30A	NEMA L21-30P	(24) C13	8.6 kW	2U		
EA-6415-C	EA-6415-E	EA-6415-CE	30A	NEMA L21-30P	(18) C13 + (6) C19	8.6 kW	2U		
EA-64A5-C	EA-64A5-E	EA-64A5-CE	30A	NEMA L21-30P	(6) C13 + (12) C19	8.6 kW	2U		
EA-6491-C	EA-6491-E	EA-6491-CE	30A	NEMA L21-30P	(12) C13 + (6) C19 + (4) 5-20	8.6 kW	2U		
<b>208 Volt, Three-Phase Input</b>									
EA-6405-C	EA-6405-E	EA-6405-CE	30A	NEMA L15-30P	(24) C13	8.6 kW	2U		
EA-6413-C	EA-6413-E	EA-6413-CE	30A	NEMA L15-30P	(18) C13 + (6) C19	8.6 kW	2U		
EA-64A6-C	EA-64A6-E	EA-64A6-CE	30A	NEMA L15-30P	(6) C13 + (12) C19	8.6 kW	2U		
EA-64A7-C	EA-64A7-E	EA-64A7-CE	50A	CS8365	(6) C13 + (12) C19	14.4 kW	2U		
EA-64A8-C	EA-64A8-E	EA-64A8-CE	60A	IEC 60309 60A 3P+E	(6) C13 + (12) C19	17.2 kW	2U		
<b>Switched Pro eConnect PDU, Horizontal - Worldwide</b>									
<b>Part Number</b>			<b>Input Amperage</b>	<b>Input Plug</b>	<b>Outlets</b>	<b>kW Capacity (CE)</b>	<b>kW Capacity North America (UL)</b>	<b>Form Factor (U) Height</b>	
<b>Black</b>	<b>Glacier White</b>	<b>Redundancy Pack**</b>							
<b>220 - 240 Volt, Single-Phase Input</b>									
EA-6408-C	EA-6408-E	EA-6408-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(24) C13	3.8 kW	3.8 kW	2U	
EA-6419-C	EA-6419-E	EA-6419-CE	16A	C20 Inlet to IEC 60309 16A 1P+N+E	(18) C13 + (6) C19	3.8 kW	3.8 kW	2U	
EA-6409-C	EA-6409-E	EA-6409-CE	32A	IEC 60309 32A 1P+N+E	(24) C13	7.7 kW	6.1 kW	2U	
EA-6420-C	EA-6420-E	EA-6420-CE	32A	IEC 60309 32A 1P+N+E	(18) C13 + (6) C19	7.7 kW	6.1 kW	2U	
EA-64A2-C	EA-64A2-E	EA-64A2-CE	32A	IEC 60309 32A 1P+N+E	(6) C13 + (12) C19	7.7 kW	6.1 kW	2U	
<b>220 - 240/380-415 Volt, Three-Phase Input</b>									
EA-6410-C	EA-6410-E	EA-6410-CE	16/20A	IEC 60309 16/20A 3P+N+E	(24) C13	11.5 kW	11.5 kW	2U	
EA-6421-C	EA-6421-E	EA-6421-CE	16/20A	IEC 60309 16/20A 3P+N+E	(18) C13 + (6) C19	11.5 kW	11.5 kW	2U	
EA-64A4-C	EA-64A4-E	EA-64A4-CE	16/20A	IEC 60309 16/20A 3P+N+E	(6) C13 + (12) C19	11.5 kW	11.5 kW	2U	
EA-64A9-C	EA-64A9-E	EA-64A9-CE	32A	IEC 60309 32A 3P+N+E	(6) C13 + (12) C19	23 kW	18.4 kW	2U	

\*\*Redundancy Pack includes 2 PDUs in Black and Glacier White for easy identification of the primary and secondary unit.



14676-001



14812-001

## Field-Replaceable Controller Module

Field-replaceable controller module for eConnect® Power Distribution Unit (PDU). Compatible with eConnect Monitored, Monitored Pro, Switched or Switched Pro eConnect PDUs. Allows replacement of controller module while maintaining power to critical loads. Ability to use an SD-card to transfer PDU configuration. Available in two options, to match to either a Vertical or Horizontal eConnect PDU form factor. Both controller modules include connections for ethernet, Secure Array IP Consolidation, temperature and humidity sensors, RFID Electronic Locks and serial/console interface. Controller module for Vertical eConnect PDUs also includes a local display.

Part Number	Description	Shipping Weight lb (kg)
14676-001	eConnect Controller 4 (MCM4) for Vertical eConnect PDUs	1 (0.5)
14812-001	eConnect Controller 4 (MCM4) for Horizontal eConnect PDUs	1 (0.5)

*Note: Compatible with PDU P/Ns: EA-3xxx, EA-4xxx, EA-5xxx, EA-6xxx.*



## eConnect® RFID Electronic Lock Kit

Integrate cabinet access control along with power management and environmental monitoring under a single network connection, one user interface and one user database for dramatically reduced deployment savings. Fully compatible with DCIM software. Available on Monitored, Monitored Pro, Switched and Switched Pro eConnect PDUs

Part Number	Description	Shipping Weight lb (kg)
14666-001	eConnect® RFID Electronic Lock Kit For ZetaFrame	3 (1.4)



## USB Temperature and Humidity Sensor

The USB Temperature and Humidity Sensor measures environmental temperature and humidity values when attached to the eConnect PDU or Network Controller Module USB port. Configure environmental thresholds and remotely monitor temperature/humidity levels to ensure seamless system performance.

- Temperature probe unit on the end of the cable size: ~ 3" x 0.6" x 0.6"
- Male USB connector is USB-A 2.0. Matches female USB-A on Field Replaceable Controller Module.
- 10 ft USB/Temperature sensor lead cable. Customization available.

Part Number	Description	Shipping Weight lb (kg)
14665-001	USB Temperature and Humidity Sensor	1 (0.5)



## Extended Limited Warranties

Extended Limited Warranties on CPI-Branded Electronic products, available for two additional years beyond the expiration of the Original Warranty Period (3 years). Contact CPI Customer Service, or visit [chatsworth.com/warranty](http://chatsworth.com/warranty).



## Power IQ® for eConnect PDUs

- Vendor-agnostic tool that provides monitoring, logging and charting of a variety of data center assets (health map, trend analysis, capacity forecast, power chargeback reports, and more)
- Power Usage Effectiveness (PUE) gauge and chart
- Centralized power control of all IT assets connected to Switched and Switched Pro PDUs
- Centralized grouping capabilities of outlets, PDUs and other equipment
- Automated emails alerts for quick identification of hotspots and other threshold violations
- Full support of CPI Secure Array technology, which allows you to achieve 90% reduction in rack PDU networking costs by supporting IP consolidation and failover capability
- Constant synchronization of data between eConnect PDUs and PIQ software
- Easy integration into third party applications through Web APIs
- Easy integration of SNMP enabled hardware devices through Dynamic plugins

Part Number	Power IQ for eConnect - Software and License, With One (1) Year Maintenance Plan
36603-001	Software and License for up to 10 Devices
36603-002	Software and License for up to 20 Devices
36603-005	Software and License for up to 50 Devices
36603-010	Software and License for up to 100 Devices
36603-020	Software and License for up to 200 Devices
36603-030	Software and License for up to 300 Devices
36603-040	Software and License for up to 400 Devices
36603-050	Software and License for up to 500 Devices

Part Number	Power IQ for eConnect - Support Services
36605-001	1-Hour of Professional Service
36605-002	1-Day Quick-Start Service
36605-003	Dynamic Plug-In, Developed, Certified and Tested by Professional Services

Part Number	Power IQ for eConnect - Additional Device Licenses
36604-001	Additional License for up to 10 Devices
36604-002	Additional License for up to 20 Devices
36604-005	Additional License for up to 50 Devices
36604-010	Additional License for up to 100 Devices

Part Number	Power IQ for eConnect - Server Hardware
36516-002	Power IQ for eConnect software, 39 lb (18 kg) Pre-installed on 1U Configured Dual Power Supply Server, 1 Year Support and Maintenance, Includes Rail Kit

## Power Strips

Power Strips distribute basic, single-phase power to multiple pieces of equipment from a single power connection and provide optional features for local metering.

- NEMA-style outlets and plugs
- Includes a thermal circuit breaker to protect circuits from overload
- Available with surge-protection to protect equipment from power spikes and local meters to provide easy voltage and current monitoring

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
<b>110-120 Volt, Single-Phase Power Strip</b>								
12850-701	20	1.4	NEMA 5-15P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-701	15	1.4	NEMA 5-15P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-703	20	1.4	NEMA L5-15P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-703	15	1.4	NEMA L5-15P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-705	20	1.9	NEMA 5-20P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-705	20	1.9	NEMA 5-20P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-707	20	1.9	NEMA L5-20P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-707	20	1.9	NEMA L5-20P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
<b>110-120 Volt, Single-Phase Power Strip, Surge-Protected</b>								
12850-702	15	1.4	NEMA 5-15P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-702	15	1.4	NEMA 5-15P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-704	15	1.4	NEMA L5-15P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-704	15	1.4	NEMA L5-15P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-706	20	1.9	NEMA 5-20P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-706	20	1.9	NEMA 5-20P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12850-708	20	1.9	NEMA L5-20P	1 x 20A	(14) 5-20R	33.0 (838)	1.7 (43)	1.7 (43)
12848-708	20	1.9	NEMA L5-20P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)

Notes: Input current is the breaker rating. The Input Amp column lists the maximum rated value of the Input Plug/inlet and circuit breaker rating.

UL/NEC regulatory code requires current ratings on product labels to be derated to 80% of the maximum rated values (for example: 20 Amp = 16 Amp on UL product label). For the Input kW column, all values are derated calculations per UL for use in North America. Input kW is the listed rating. Includes rack mounting brackets and tool-less hardware. All power strips have IEC C20 inlets and include a power cord. Cords with locking plugs are 10' (3 m). Cords with straight plugs are 8'2" (2.4 m). Order mounting brackets for cabinets separately.

## Metered Power Strips, Vertical Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
<b>110-120 Volt, Single-Phase Power Strip</b>								
12848-751	15	1.4	NEMA 5-15P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12848-755	20	1.9	NEMA 5-20P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12848-757	20	1.9	NEMA L5-20P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
<b>110-120 Volt, Single-Phase Power Strip, Surge-Protected</b>								
12848-752	15	1.4	NEMA 5-15P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12848-754	15	1.4	NEMA L5-15P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12848-756	20	1.9	NEMA 5-20P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)
12848-758	20	1.9	NEMA L5-20P	2 x 10A	(24) 5-20R	66.0 (1676)	1.7 (43)	1.7 (43)

Notes: Input current is the breaker rating. The Input Amp column lists the maximum rated value of the Input Plug/inlet and circuit breaker rating.

UL/NEC regulatory code requires current ratings on product labels to be derated to 80% of the maximum rated values (for example: 20 Amp = 16 Amp on UL product label). For the Input kW column, all values are derated calculations per UL for use in North America. Input kW is the listed rating. Includes rack mounting brackets and tool-less hardware. All power strips have IEC C20 inlets and include a power cord. Cords with locking plugs are 10' (3 m). Cords with straight plugs are 8'2" (2.4 m). Order mounting brackets for cabinets separately.

## Basic Power Strips, Horizontal Rack-Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
<b>110-120 Volt, Single-Phase Power Strip</b>								
12816-701	15	1.4	NEMA 5-15P	1 x 20A	(8) 5-20R	1U	19"EIA/23"	1.4 (36)
12816-702	15	1.4	NEMA L5-15P	1 x 20A	(8) 5-20R	1U	19"EIA/23"	1.4 (36)
12816-705	20	1.9	NEMA 5-20P	1 x 20A	(8) 5-20R	1U	19"EIA/23"	1.4 (36)
12816-706	20	1.9	NEMA L5-20P	1 x 20A	(8) 5-20R	1U	19"EIA/23"	1.4 (36)
<b>110-120 Volt, Single-Phase Power Strip, Surge-Protected</b>								
12816-703	15	1.4	NEMA 5-15P	1 x 20A	(6) 5-20R	1U	19"EIA/23"	1.4 (36)
12816-704	15	1.4	NEMA L5-15P	1 x 20A	(6) 5-20R	1U	19"EIA/23"	1.4 (36)
12816-707	20	1.9	NEMA 5-20P	1 x 20A	(6) 5-20R	1U	19"EIA/23"	1.4 (36)
12816-708	20	1.9	NEMA L5-20P	1 x 20A	(6) 5-20R	1U	19"EIA/23"	1.4 (36)

Notes: Input current is the breaker rating. The Input Amp column lists the maximum rated value of the Input Plug/inlet and circuit breaker rating. UL/NEC regulatory code requires current ratings on product labels to be derated to 80% of the maximum rated values (for example: 20 Amp = 16 Amp on UL product label). For the Input kW column, all values are derated calculations per UL for use in North America. Input kW is the listed rating. Includes 19"EIA and 23"W horizontal rack-mount brackets. All power strips have IEC C20 inlets and include a power cord. Cords with locking plugs are 10'L (3 m). Cords with straight plugs are 8'2"L (2.4 m).

## Metered Power Strips, Horizontal Rack-Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
<b>110-125 Volt, Single-Phase Power Strip</b>								
13239-751	15	1.4	NEMA 5-15P	1 x 20A	(12) 5-20R	1U	19"EIA	4.6 (117)
13239-755	20	1.9	NEMA 5-20P	1 x 20A	(12) 5-20R	1U	19"EIA	4.6 (117)
13239-756	20	1.9	NEMA L5-20P	1 x 20A	(12) 5-20R	1U	19"EIA	4.6 (117)
<b>110-125 Volt, Single-Phase Power Strip, Surge-Protected</b>								
13239-753	15	1.4	NEMA 5-15P	1 x 20A	(12) 5-20R	1U	19"EIA	4.6 (117)
13239-757	20	1.9	NEMA 5-20P	1 x 20A	(12) 5-20R	1U	19"EIA	4.6 (117)
13239-758	20	1.9	NEMA L5-20P	1 x 20A	(12) 5-20R	1U	19"EIA	4.6 (117)

Notes: Input current is the breaker rating. The Input Amp column lists the maximum rated value of the Input Plug/inlet and circuit breaker rating. UL/NEC regulatory code requires current ratings on product labels to be derated to 80% of the maximum rated values (for example: 20 Amp = 16 Amp on UL product label). For the Input kW column, all values are derated calculations per UL for use in North America. Input kW is the listed rating. Includes 19"EIA and 23"W horizontal rack-mount brackets. All power strips have IEC C20 inlets and include a power cord. Cords with locking plugs are 10'L (3 m). Cords with straight plugs are 8'2"L (2.4 m).

## Basic Power Strips for CUBE-iT® Cabinets

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW	Plug	Breakers	Outlets	H	W	D
<b>110-120 Volt, Single-Phase Power Strip</b>								
12820-701	15	1.4	NEMA 5-15P	1 x 20A	(8) 5-20R	19.2 (488)	1.8 (44)	8.2 (208)
12820-702	15	1.4	NEMA L5-15P	1 x 20A	(8) 5-20R	19.2 (488)	1.8 (44)	8.2 (208)
12820-705	20	1.9	NEMA 5-20P	1 x 20A	(8) 5-20R	19.2 (488)	1.8 (44)	8.2 (208)
12820-706	20	1.9	NEMA L5-20P	1 x 20A	(8) 5-20R	19.2 (488)	1.8 (44)	8.2 (208)
<b>110-120 Volt, Single-Phase Power Strip, Surge-Protected</b>								
12820-703	15	1.4	NEMA 5-15P	1 x 20A	(6) 5-20R	19.2 (488)	1.8 (44)	8.2 (208)
12820-704	15	1.4	NEMA L5-15P	1 x 20A	(6) 5-20R	19.2 (488)	1.8 (44)	8.2 (208)
12820-707	20	1.9	NEMA 5-20P	1 x 20A	(6) 5-20R	19.2 (488)	1.8 (44)	8.2 (208)
12820-708	20	1.9	NEMA L5-20P	1 x 20A	(6) 5-20R	19.2 (488)	1.8 (44)	8.2 (208)

Notes: Dimensions include mounting bracket in vertical orientation. The Power Strip is 17"H (432 mm) x 1.7"W (43 mm) x 1.4"D (36 mm). All power strips have IEC C20 inlets and include a power cord. Cords with locking plugs are 10'L (3 m). Cords with straight plugs are 8'2"L (2.4 m).

## International Power Strips

### Specifications:

- **Circuit Control:**
  - Master lighted switch on horizontal rack-mount power strips
- **Circuit Protection:**
  - Thermal circuit breakers on vertical mount power strips
- **Optional Surge Protection**
  - 330 Volt, 1100 Joules
  - Surge suppression active indicator LED
- **Current Metering:**
  - Digital voltage and ammeter included on metered power strips
  - Meter has a 3-digit LED display
  - Overload alarm/flashing LED at breaker rating
- **Mounting hardware/brackets:**
  - Horizontal rack-mount power strips include mounting brackets for 19"W EIA and 23"W racks
  - Vertical mount power strips include tool-less buttons; order mounting brackets separately

### Certifications:

- CE Marked

*International Power Strips are not stocked in U.S., Canada or Latin America.*

*(See page 3-30 for Outlet and Input Plug Table)*



The Power Selector enables you to select the best power product for your application by narrowing down options based on your requirements. After you're done comparing, you can email or print the results. Visit [selectapdu.com](http://selectapdu.com) to access the Power Selector.

## Basic Power Strips, Vertical Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
<b>220-250 Volt, Single-Phase Power Strip</b>								
15642-202	16	4.0	IEC C20	1 x 16A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15642-206	16	4.0	IEC C20	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15642-212	16	4.0	IEC 16A 1P+N+E	1 x 16A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15642-216	16	4.0	IEC 16A 1P+N+E	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15642-222	32	8.0	IEC 32A 1P+N+E	2 x 16A	(10) C13, (4) C19	48.3 (1227)	2.5 (64)	1.8 (46)
15642-226	32	8.0	IEC 32A 1P+N+E	2 x 16A	(12) UK BS1363 13A	53.4 (1357)	2.5 (64)	1.8 (46)
15642-232	13	3.3	UK BS1363	1 x 13A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15642-236	13	3.3	UK BS1363	1 x 13A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15644-202	16	4.0	IEC C20	1 x 16A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15644-205	16	4.0	IEC C20	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	2.7 (69)
15644-207	16	4.0	IEC C20	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)
15644-208	16	4.0	IEC C20	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	2.5 (64)	1.8 (46)
15644-212	16	4.0	IEC 16A 1P+N+E	1 x 16A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15644-215	16	4.0	IEC 16A 1P+N+E	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	2.7 (69)
15644-217	16	4.0	IEC 16A 1P+N+E	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)
15644-218	16	4.0	IEC 16A 1P+N+E	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	2.5 (64)	1.8 (46)
15644-222	32	8.0	IEC 32A 1P+N+E	2 x 16A	(20) C13, (4) C19	66.5 (1689)	2.5 (64)	1.8 (46)
15644-225	32	8.0	IEC 32A 1P+N+E	2 x 16A	(24) Schuko DIN49440 16A	64.8 (1646)	1.8 (46)	2.7 (69)
15644-227	32	8.0	IEC 32A 1P+N+E	2 x 16A	(24) Universal GB2009.3 10A	66.5 (1689)	2.5 (64)	1.8 (46)
15644-228	32	8.0	IEC 32A 1P+N+E	2 x 16A	(20) CH GB1002 10A, (4) 16A	66.5 (1689)	2.5 (64)	1.8 (46)
15644-232	13	3.3	UK BS1363	1 x 13A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15644-237	13	3.3	UK BS1363	1 x 13A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)
<b>220-250 Volt, Single-Phase Power Strip, Surge-Protected</b>								
15642-102	16	4.0	IEC C20	1 x 16A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15642-106	16	4.0	IEC C20	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15642-112	16	4.0	IEC 16A 1P+N+E	1 x 16A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15642-116	16	4.0	IEC 16A 1P+N+E	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15642-122	32	8.0	IEC 32A 1P+N+E	2 x 16A	(10) C13, (4) C19	48.3 (1227)	2.5 (64)	1.8 (46)
15642-126	32	8.0	IEC 32A 1P+N+E	2 x 16A	(12) UK BS1363 13A	53.4 (1357)	2.5 (64)	1.8 (46)
15642-132	13	3.3	UK BS1363	1 x 13A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15642-136	13	3.3	UK BS1363	1 x 13A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)

Notes: All power strips have attached 10'L (3 m) power cord. \*kW values are at a Nominal voltage of 250V.



15644-222 shown

## Basic Power Strips, Vertical Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
<b>220-250 Volt, Single-Phase Power Strip, Surge-Protected</b>								
15644-102	16	4.0	IEC C20	1 x 16A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15644-105	16	4.0	IEC C20	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	2.7 (69)
15644-107	16	4.0	IEC C20	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)
15644-108	16	4.0	IEC C20	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	2.5 (64)	1.8 (46)
15644-112	16	4.0	IEC 16A 1P+N+E	1 x 16A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15644-115	16	4.0	IEC 16A 1P+N+E	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	2.7 (69)
15644-117	16	4.0	IEC 16A 1P+N+E	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)
15644-118	16	4.0	IEC 16A 1P+N+E	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	2.5 (64)	1.8 (46)
15644-122	32	8.0	IEC 32A 1P+N+E	2 x 16A	(20) C13, (4) C19	66.5 (1689)	2.5 (64)	1.8 (46)
15644-125	32	8.0	IEC 32A 1P+N+E	2 x 16A	(24) Schuko DIN49440 16A	64.8 (1646)	1.8 (46)	2.7 (69)
15644-127	32	8.0	IEC 32A 1P+N+E	2 x 16A	(24) Universal GB2009.3 10A	66.5 (1689)	2.5 (64)	1.8 (46)
15644-128	32	8.0	IEC 32A 1P+N+E	2 x 16A	(20) CH GB1002 10A, (4) 16A	66.5 (1689)	2.5 (64)	1.8 (46)
15644-132	13	3.3	UK BS1363	1 x 13A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15644-137	13	3.3	UK BS1363	1 x 13A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)

Notes: All power strips have attached 10'L (3 m) power cord. \*kW values are at a Nominal voltage of 250V.

## Metered Power Strips, Vertical Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
<b>220-250 Volt, Single-Phase Power Strip</b>								
15643-202	16	4.0	IEC C20	1 x 16A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15643-206	16	4.0	IEC C20	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15643-212	16	4.0	IEC 16A 1P+N+E	1 x 16A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15643-216	16	4.0	IEC 16A 1P+N+E	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15643-222	32	8.0	IEC 32A 1P+N+E	2 x 16A	(10) C13, (4) C19	48.3 (1227)	2.5 (64)	1.8 (46)
15643-226	32	8.0	IEC 32A 1P+N+E	2 x 16A	(12) UK BS1363 13A	53.4 (1357)	2.5 (64)	1.8 (46)
15643-232	13	3.3	UK BS1363	1 x 13A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15643-236	13	3.3	UK BS1363	1 x 13A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15645-202	16	4.0	IEC C20	1 x 16A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15645-205	16	4.0	IEC C20	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	2.7 (69)
15645-207	16	4.0	IEC C20	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)
15645-208	16	4.0	IEC C20	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	2.5 (64)	1.8 (46)
15645-212	16	4.0	IEC 16A 1P+N+E	1 x 16A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15645-215	16	4.0	IEC 16A 1P+N+E	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	2.7 (69)
15645-217	16	4.0	IEC 16A 1P+N+E	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)
15645-218	16	4.0	IEC 16A 1P+N+E	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	2.5 (64)	1.8 (46)
15645-222	32	8.0	IEC 32A 1P+N+E	2 x 16A	(20) C13, (4) C19	66.5 (1689)	2.5 (64)	1.8 (46)
15645-225	32	8.0	IEC 32A 1P+N+E	2 x 16A	(24) Schuko DIN49440 16A	64.8 (1646)	1.8 (46)	2.7 (69)
15645-227	32	8.0	IEC 32A 1P+N+E	2 x 16A	(24) Universal GB2009.3 10A	66.5 (1689)	2.5 (64)	1.8 (46)
15645-228	32	8.0	IEC 32A 1P+N+E	2 x 16A	(20) CH GB1002 10A, (4) 16A	66.5 (1689)	2.5 (64)	1.8 (46)
15645-232	13	3.3	UK BS1363	1 x 13A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15645-237	13	3.3	UK BS1363	1 x 13A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)

\*kW values are at a Nominal voltage of 250V.



## Metered Power Strips, Vertical Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Breakers	Outlets	H	W	D
<b>220-250 Volt, Single-Phase Power Strip, Surge-Protected</b>								
15643-102	16	4.0	IEC C20	1 x 16A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15643-106	16	4.0	IEC C20	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15643-112	16	4.0	IEC 16A 1P+N+E	1 x 16A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15643-116	16	4.0	IEC 16A 1P+N+E	1 x 16A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15643-122	32	8.0	IEC 32A 1P+N+E	2 x 16A	(10) C13, (4) C19	48.3 (1227)	2.5 (64)	1.8 (46)
15643-126	32	8.0	IEC 32A 1P+N+E	2 x 16A	(12) UK BS1363 13A	53.4 (1357)	2.5 (64)	1.8 (46)
15643-132	13	3.3	UK BS1363	1 x 13A	(10) C13, (4) C19	43.1 (1095)	2.5 (64)	1.8 (46)
15643-136	13	3.3	UK BS1363	1 x 13A	(12) UK BS1363 13A	48.3 (1227)	2.5 (64)	1.8 (46)
15645-102	16	4.0	IEC C20	1 x 16A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15645-105	16	4.0	IEC C20	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	2.7 (69)
15645-107	16	4.0	IEC C20	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)
15645-108	16	4.0	IEC C20	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	2.5 (64)	1.8 (46)
15645-112	16	4.0	IEC 16A 1P+N+E	1 x 16A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15645-115	16	4.0	IEC 16A 1P+N+E	1 x 16A	(24) Schuko DIN49440 16A	61.0 (1549)	1.8 (46)	2.7 (69)
15645-117	16	4.0	IEC 16A 1P+N+E	1 x 16A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)
15645-118	16	4.0	IEC 16A 1P+N+E	1 x 16A	(20) CH GB1002 10A, (4) 16A	61.3 (1557)	2.5 (64)	1.8 (46)
15645-122	32	8.0	IEC 32A 1P+N+E	2 x 16A	(20) C13, (4) C19	66.5 (1689)	2.5 (64)	1.8 (46)
15645-125	32	8.0	IEC 32A 1P+N+E	2 x 16A	(24) Schuko DIN49440 16A	64.8 (1646)	1.8 (46)	2.7 (69)
15645-127	32	8.0	IEC 32A 1P+N+E	2 x 16A	(24) Universal GB2009.3 10A	66.5 (1689)	2.5 (64)	1.8 (46)
15645-128	32	8.0	IEC 32A 1P+N+E	2 x 16A	(20) CH GB1002 10A, (4) 16A	66.5 (1689)	2.5 (64)	1.8 (46)
15645-132	13	3.3	UK BS1363	1 x 13A	(20) C13, (4) C19	61.3 (1557)	2.5 (64)	1.8 (46)
15645-137	13	3.3	UK BS1363	1 x 13A	(24) Universal GB2009.3 10A	61.3 (1557)	2.5 (64)	1.8 (46)

Notes: All power strips have attached 10'L (3 m) power cord. \*kW values are at a Nominal voltage of 250V.



The Power Selector enables you to select the best power product for your application by narrowing down options based on your requirements. After you're done comparing, you can email or print the results. Visit [selectapdu.com](http://selectapdu.com) to access the Power Selector.

## Basic Power Strips, Horizontal Rack-Mount

Part Number	Input			Output		Dims - in (mm)		
	Amp	kW*	Plug	Control	Outlets	H	W	D
<b>220-250 Volt, Single-Phase Power Strip</b>								
15640-201	16	4.0	IEC C20	Master Lighted Switch	(10) C13	1U	19"EIA/23"	1.8 (46)
15640-202	16	4.0	IEC C20	Master Lighted Switch	(6) C13, (4) C19	1U	19"EIA/23"	4.6 (117)
15640-203	16	4.0	IEC C20	Master Lighted Switch	(4) C19	1U	19"EIA/23"	1.8 (46)
15640-204	16	4.0	IEC C20	Master Lighted Switch	(6) CH GB1002 10A	1U	19"EIA/23"	1.8 (46)
15640-205	16	4.0	IEC C20	Master Lighted Switch	(6) Schuko DIN49440 16A	1U	19"EIA/23"	1.8 (46)
15640-206	16	4.0	IEC C20	Master Lighted Switch	(6) UK BS1363 13A	1U	19"EIA/23"	1.8 (46)
15640-207	16	4.0	IEC C20	Master Lighted Switch	(6) Universal GB2009.3 10A	1U	19"EIA/23"	1.8 (46)
15640-211	16	4.0	IEC 16A 1P+N+E	Master Lighted Switch	(10) C13	1U	19"EIA/23"	1.8 (46)
15640-212	16	4.0	IEC 16A 1P+N+E	Master Lighted Switch	(6) C13, (4) C19	1U	19"EIA/23"	4.6 (117)
15640-213	16	4.0	IEC 16A 1P+N+E	Master Lighted Switch	(4) C19	1U	19"EIA/23"	1.8 (46)
15640-214	16	4.0	IEC 16A 1P+N+E	Master Lighted Switch	(6) CH GB1002 10A	1U	19"EIA/23"	1.8 (46)
15640-215	16	4.0	IEC 16A 1P+N+E	Master Lighted Switch	(6) Schuko DIN49440 16A	1U	19"EIA/23"	1.8 (46)
15640-216	16	4.0	IEC 16A 1P+N+E	Master Lighted Switch	(6) UK BS1363 13A	1U	19"EIA/23"	1.8 (46)
15640-217	16	4.0	IEC 16A 1P+N+E	Master Lighted Switch	(6) Universal GB2009.3 10A	1U	19"EIA/23"	1.8 (46)
15640-231	13	3.3	UK BS1363	Master Lighted Switch	(10) C13	1U	19"EIA/23"	1.8 (46)
15640-232	13	3.3	UK BS1363	Master Lighted Switch	(6) C13, (4) C19	1U	19"EIA/23"	4.6 (117)
15640-236	13	3.3	UK BS1363	Master Lighted Switch	(6) UK BS1363 13A	1U	19"EIA/23"	1.8 (46)

Notes: Includes 19"EIA and 23"W horizontal rack-mount brackets. All power strips have a lighted master switch (no breaker) and an attached 10'L (3 m) cord.  
\*kW values are at a Nominal voltage of 250V.

**+ power** Simplify ordering, shipping and installation by requesting eConnect PDUs and eConnect RFID Electronic Lock Kit to be installed in CPI's ZetaFrame cabinets before they leave the factory. Request Redundancy Pack for easy identification of primary and secondary units.

**Add power. Make it easy.**



17763-007 shown.



17763-010 shown.



17763-013 shown.

## IEC C20 PDU Input Power Cords

Input power cords for use with PDUs and Power Strips that have IEC C20 inlets.

- Select power cord to match power connection in the facility
- IEC C19 Connector attaches to the C20 Inlet on the PDU
- Sold individually, order (1) power cord per PDU

Part Number	Description	Shipping Weight lb (kg)
17763-001	PDU Input Power Cord, 110-125 VAC or 200-240 VAC, IEC C19 Connector to IEC C20 Plug, 10'L (3 m)	3 (1.4)
17763-002	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA 5-15P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-003	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA 5-20P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-004	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA 6-15P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-005	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA 6-20P Plug, 8'2"L (2.4 m)	3 (1.4)
17763-006	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA L5-15P Plug, 10'L (3 m)	3 (1.4)
17763-007	PDU Input Power Cord, 110-125 VAC, IEC C19 Connector to NEMA L5-20P Plug, 10'L (3 m)	3 (1.4)
17763-008	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to NEMA L6-15P Plug, 10'L (3 m)	3 (1.4)
17763-010	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to IEC 16A 1P+N+E Plug, 10'L (3 m)	3 (1.4)
17763-011	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to 16A CEE7/7 Schuko Plug (Europe), 8'2"L (2.4 m)	3 (1.4)
17763-012	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to BS1363 Plug (Britains), 8'2"L (2.4 m)	3 (1.4)
17763-013	PDU Input Power Cord, 200-240 VAC, IEC C19 Connector to CEI23 Plug (Italian), 8'2"L (2.4 m)	3 (1.4)

## Additional PDU Accessories



38645-700

Part Number	Description	Shipping Weight lb (kg)
17762-003	Cord Retention Tethers, Pack of 50	1 (0.5)
17762-002	Ground Wire Kit	1 (0.5)
17762-001	Tool-less Mounting Hardware Kit, Pack of 2	1 (0.5)
38645-700	Standard PDU Bracket for ZetaFrame Cabinet	2 (0.9)
35700-701	Mounting Bracket for Rack Systems	2 (0.9)

Note: Mounting Brackets are included with CPI Cabinets. Brackets for Cabinet Systems support two 2.2"W (56 mm) PDUs side-by-side or one 2.7"W (69 mm) PDU.



### RFID Electronic Lock Kit

The Electronic Lock Kit solution can be preinstalled in CPI cabinets and features swinghandles with integrated dual-frequency card reader technology. Audit trail capability allows for enhanced regulatory compliance.

**Features:**

- Integrated RFID Card Reader – Separate lock options recognize existing employee 125 kHz or 13.56 MHz RFID cards, including HID, iClass®, MIFARE® and DESFire technologies
- Future-proof Design – Modular reader allows the use of the same swinghandle as card technologies evolve
- Flexible Management – Multiple methods of integration: through eConnect PDUs, networked controller or building security access control system
- Regulatory Compliance – Allows audit trail to be maintained for every access attempt within DCIM software or access control systems in order to comply with HIPAA, PCI DSS, GDPR, FISMA, Saas SOC 2®, HITECH and more
- Quick Deployment – Locks can be factory-preinstalled into CPI TeraFrame and GlobalFrame cabinets
- eConnect Integration – Eliminates the need for a separate IP address or a separate source of power for the lock. Saves significant deployment costs normally associated with wiring the locks to security panels
- Remote Access Control – Ability to remotely open/close doors allows administrators to provide access to contractors without badges
- Centralized Authentication – Ability to use the permissions set within RADIUS server to provide higher levels of security



### eConnect RFID Electronic Lock Kit

eConnect RFID Electronic Lock Kit is a front and rear single-factor, 12V lock solution that is activated by RFID cards and fully integrates into networked eConnect PDUs (P/N EX-XXXX only), so that no additional appliance or external software are required. Available on vertical Monitored, Monitored Pro, Switched and Switched Pro PDUs.

**Kit includes:**

- 12 Volt locks
- Front and rear swinghandles
- 3 door sensors (front and rear doors)
- 2 wiring harnesses (for front and rear connection)
- 2 mechanical override keys

Part Number	Description	Shipping Weight lb (kg)
14666-001	eConnect® RFID Electronic Lock Kit	3 (1.4)
14665-001	USB Temperature and Humidity Sensor	1 (0.5)
36651-001	Wire Harness Kit	1 (0.5)
36652-001	Door Sensor Kit	1 (0.5)
36653-001	RF IDEas EAC Smart Card Reader	1 (0.5)
36654-001	RFID Cards, Pack of 20	1 (0.5)

Note: Use this kit with eConnect PDUs with eConnect Controller 4 (MCM4) only.



## Networked RFID Electronic Lock Kit

Networked RFID Electronic Lock Kit provides a networked electronic lock solution for physical security of data center cabinets. Secure Array IP Consolidation technology connects up to 32 controllers (32 cabinets) under one IP address, providing significant savings in networking costs. The controller module features a Gigabit Ethernet port and a built-in web interface.

**Kit includes:**

- 12 Volt locks
- Capability to integrate with USB Temperature and Humidity Sensor
- Front and rear swinghandles
- 3 door sensors (front and rear doors)
- 2 wiring harnesses (for front and rear connection)
- 2 mechanical override keys

Part Number	Description	Shipping Weight lb (kg)
14667-001	Networked RFID Electronic Lock Kit*	7 (3.2)
14665-001	USB Temperature and Humidity Sensor	1 (0.5)
36653-001	RF IDEas EAC Smart Card Reader	1 (0.5)
36654-001	RFID Cards, Pack of 20	1 (0.5)

Note: Use with 125 kHz CSN and/or 13.56 MHz UID RFID cards. Does not support PACS smart cards.



## Security System RFID Electronic Lock Kit

Security System RFID Electronic Lock solution that integrates with Wiegand-based security panels. It supports connection for two separate channels for independent system control.

**Kit includes:**

- Front and rear swinghandles
- 3 door sensors (front and rear doors)
- 2 wiring harnesses (for front and rear connection)
- 2 mechanical override keys

Part Number	Description	Shipping Weight lb (kg)
14668-001	Security System RFID Electronic Lock Kit	3 (1.4)
36653-001	RF IDEas EAC Smart Card Reader	1 (0.5)
36654-001	RFID Cards, Pack of 20	1 (0.5)

Note: Use with 125 kHz CSN and/or 13.56 MHz UID RFID cards. Does not support PACS smart cards.



## Lithium Ion Standby UPS, 350VA-600VA

This compact design is excellent for use in wall-mount networking and computer equipment cabinets when providing protection to network switches, industrial computers, automation systems, programmable logic controllers (PLCs), video walls, kiosks, and point-of-sale (POS) equipment.

- Available models: 350VA/200W, 600VA/360W
- Surface mount to wall, ceiling, under counters or inside enclosure
- UL, CE, RoHS, TAA compliant
- 6 years electronics, 6 years battery warranty (USA and Canada)

Available in U.S. & Canada only

### Features:

**Compact Design**—This compact design will easily fit where a conventional UPS will not

**Long-Life Battery**—Lithium iron phosphate batteries provide protection for up to 8-10 years or 2000 discharges

**Highest Efficiency**—operates at up to 98% efficiency, saving utility costs and reducing heat output

**High Temperature Tolerance**—Lithium Ion battery technology allows continuous operation at up to 104°F (40°C) without reduction in battery life

**Auto restart**—after full battery discharge, automatically restarts when utility power returns

### Specifications:

- Standby UPS with lithium iron phosphate batteries
- For indoor use in environmentally controlled areas or within environmental enclosures that maintain Operating Conditions
- Power Capacity: Specific to UPS
- Power Input:
  - Alternating current, 50/60 Hz autosensing
  - Voltage, 120 VAC nominal or 200-240 VAC (see ordering table)
- Power Output:
  - Voltage, 120 VAC nominal or 200-240 VAC (see ordering table)
  - Waveform: Sine wave (normal), simulated sine wave (battery mode)
  - Frequency: 50/60 Hz
  - Surge suppression: 300 joules
  - Transfer time: 2-6 ms (typical)
- Battery:
  - Cell type: Lithium Iron Phosphate (LiFePO4)
  - Cell configuration: Specific to UPS
    - LS350x: (8) LiFePO4 18650 cells, 2400 mAh
    - LS600x: (16) LiFePO4 18650 cells, 4400 mAh
- Physical:
  - Flange mount on a wall, ceiling or flat surface
  - Dimensions: Specific to UPS
    - LS350x: 1.25"H x 6.9"W x 8.5"D (32 mm x 175 mm x 216 mm)
    - LS600x: 1.6"H x 7.3"W x 10.8"D (40 mm x 185 mm x 275 mm)
  - Surface-mount brackets add .6" (15 mm) to width on each side
  - Weight: Specific to UPS
    - LS350x: 3.4 lb (1.5 kg)
    - LS600x: 4.7 lb (2.1 kg)
  - Line cord: Specific to UPS (see ordering table)
  - Receptacles: Specific to UPS (see ordering table)
- Operating Conditions:
  - Temperature: 32-104°F (0-40°C)
  - Humidity: 0-90%
  - Elevation: 0-11,500' above sea level
- Approvals:
  - 120 Volt models: UL-1778, cTUVus, FCC, RoHS, TAA compliant
  - 200-240 Volt models: CE, RoHS, TAA Compliant
- Communications Interface:
  - Specific to UPS:
    - LS350x: USB interface with cable and software
    - LS600x: RS-232 port
- Included in Box:
  - ViewPower software, user manual, line cord (120 VAC models)

## Lithium Ion Standby UPS, 350VA-600VA:

Part Number	Capacity VA	Capacity W	Input Plug*	Output Receptacles	Runtime 100% Load	Runtime 50% Load	External Battery Option
<b>120 Volt</b>							
LS350A	350	200	C14 Inlet to 5-15P	(3) 5-15R	6	14	No
LS600A	600	360	C14 Inlet to 5-15P	(3) 5-15R	6	14	No
<b>200-240 Volt</b>							
LS350B	350	200	C14 Inlet (no cord)	(2) C13	6	14	No
LS600B	600	360	C14 Inlet (no cord)	(2) C13	6	14	No

\*On 120 Volt models, included line cord is 3' (0.9 m) long. On 200-240 Volt models, order a line cord separately. C13 to required plug.

## Battery Runtimes:

<b>Estimated Runtimes On Internal Batteries (mins)</b>										
System Load (W)	20	40	80	120	160	200	240	280	320	360
LS350x	72	35	17	11	9	7	N/A	N/A	N/A	N/A
LS600x	161	79	35	23	17	14	11	9	8	6

Note: Runtimes are shown in minutes and will vary based on battery condition, age, cycles and ambient temperature



### Available in U.S. & Canada only

#### Features:

#### Pure Sine Wave Line-Interactive

**Conversion**—Provides robust power protection against blackouts, brownouts and voltage surges

**99% efficient operation**—high efficiency ECO mode lowers energy consumption

**Auto restart**—Automatically restarts when utility power returns after full battery discharge

**Smart LCD display**—Vital monitoring and precise information from the front panel

**Programmable receptacle group**—maximize uptime for critical loads and equipment by shedding less critical loads

**Temperature compensation**—temperature compensated charging to prolong battery life and help reduce replacement costs

**Hot swappable battery**—easy to replace without interrupting the load

**Maintenance bypass**—an optional maintenance bypass distribution module enables the UPS to be replaced or serviced without interruption of power to critical loads

**Extended battery runtimes**—optional matching battery modules available for extended runtimes

## Lead Acid Line-Interactive UPS, 800VA–5000VA

Reliable and economical backup power protection for servers and network applications.

- Available models: 800VA, 1100VA, 1500VA, 2000VA, 2200VA, 3000VA, 5000VA
- Tower, two-post, and four-post rack mounting configurations
- UL, CE, RoHS, TAA compliant
- 3 years electronics, 3 years battery warranty (USA and Canada)

### Specifications:

- Pure sine wave Line-Interactive UPS with lead acid batteries
- For indoor use in environmentally controlled areas or within environmental enclosures that maintain Operating Conditions
- Power Capacity: Specific to UPS
- Power Input:
  - Alternating current, 50/60 Hz autoseensing
  - Voltage, varies per model (see ordering table)
  - 120 VAC models support 120 VAC nominal input, -32% to +27% range without use of battery
  - 200-240 VAC models support 208/220/230/240 VAC nominal input, 162-290 VAC range
- Power Output:
  - Voltage, varies per model (see ordering table)
  - 120 Volt models support 120 VAC nominal with 100/115/127 VAC selectable output
  - 200-240 Volt models support 230 VAC nominal with 208/220/230/240 VAC selectable output.
  - Waveform: Pure sine wave
  - Transfer time (typical): 2-6 ms
  - Efficiency: Up to 99% ECO mode, 95% buck and boost mode
  - Harmonic distortion: 2% @ 100% linear load; 5% @ 100% non-linear load
- Battery:
  - Battery Chemistry: Sealed, maintenance-free lead acid
  - Battery Size: Specific to UPS
    - VL800x: (2) 12V 7AH
    - VL1100x: (2) 12V 9AH
    - VL1500x: (4) 12V 7AH
    - VL2000x: (4) 12V 9AH
    - VL2200x: (6) 12V 7AH
    - VL3000x: (6) 12V 9AH
    - VL5000x: (6) 12V 580W at 5 min
  - Charger current: 1.5A max
  - Recharge Time: 4 hours to 90%
- Rack-Mount Spaces: 2U, includes mounting bracket
- Dimensions: Specific to UPS
  - VL800x: 3.5"H x 17.2"W x 15.1"D (89 mm x 437 mm x 384 mm)
  - VL1100x: 3.5"H x 17.2"W x 15.1"D (89 mm x 437 mm x 384 mm)
  - VL1500x: 3.5"H x 17.2"W x 18.9"D (89 mm x 437 mm x 480 mm)
  - VL2000x: 3.5"H x 17.2"W x 18.9"D (89 mm x 437 mm x 480 mm)
  - VL2200x: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)
  - VL3000x: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)
  - VL5000x: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)
  - Add 1" (25.4 mm) to front for bezel; extends in front of the equipment mounting rails

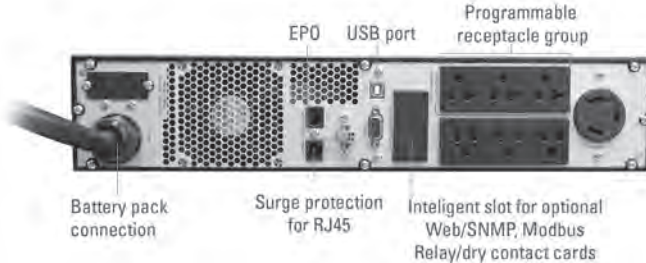


**Specifications (continued):**

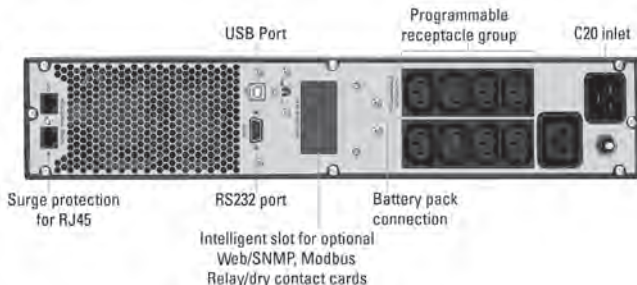
- Weight: Specific to UPS
  - VL800x: 29.3 lb (13.3 kg)
  - VL1100x: 30.5 lb (13.8 kg)
  - VL1500x: 44.7 lb (20.3 kg)
  - VL2000x: 47.4 lb (21.5 kg)
  - VL2200x: 61.7 lb (27.9 kg)
  - VL3000x: 67.1 lb (30.4 kg)
  - VL5000x: 78.5 lb (35.6 kg)
- Line cord: Specific to UPS (see ordering table)
- Receptacles: Specific to UPS (see ordering table)
- Optional Battery Packs
  - Rack-Mount Spaces: 2U, includes mounting brackets
- Dimensions: Specific to Battery Pack:
  - VXBP1: 3.5"H x 17.2"W x 18.9"D (89 mm x 437 mm x 480 mm)
  - VXBP2: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)
  - VXBP3: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)
- Weight: Specific to Battery Pack:
  - VXBP1: 74.6 lb (33.8 kg)
  - VXBP2: 104.4 lb (47.4 kg)
  - VXBP3: 110.4 lb (50.1 kg)
- Battery: Specific to Battery Pack:
  - VXBP1: (8) 12V 9AH / 48VDC
  - VXBP2: (12) 12V 9AH / 72VDC
  - VXBP3: (12) 12V 580W at 5 min / 72VDC
- Operating Conditions:
  - Temperature: 32-104°F (0-40°C)
  - Audible noise: <45dBA
  - Elevation: 0-11,500' (0-3500 m) above sea level
- Approvals:
  - 120 Volt models: UL, cUL, RoHS, TAA Compliant
  - 200-240 Volt models: CE, RoHS, TAA Compliant
- Warranty:
  - 3 years electronics, 3 years battery warranty (USA and Canada)
- Communications Interface:
  - RS232, USB, EPO, intelligent slot for optional card (Web/SNMP)
- Included in Box:
  - ViewPower software, user manual, horizontal brackets, and tower pedestals

**Lead Acid Line-Interactive UPS, 800VA–5000VA:**

VL3000A-1 Rear



VL3000B Rear



## Lead Acid Line-Interactive UPS, 800VA–5000VA:

Part Number	Capacity VA	Capacity W	Input Plug*	Output Receptacles	Runtime 100% Load	Runtime 50% Load	External Battery Option	Bypass Distribution Module Compatibility
<b>120 Volt</b>								
VL800A	800	720	5-15P	(8) 5-15R	4	11	No	BDM1A
VL1100A	1100	990	5-15P	(8) 5-15R	3	11	No	BDM1A
VL1500A	1500	1350	5-15P	(8) 5-15R	4	12	VXBP1	BDM1A
VL2000A	2000	1800	5-20P	(8) 5-20R	4	12	VXBP1	BDM1B
VL2200A	2200	2000	5-20P	(8) 5-20R	4	12	VXBP2	BDM1B
VL3000A	3000	2700	L5-30P	(8) 5-20R	4	12	VXBP2	BDM1D
VL3000A-1	3000	2700	L5-30P	(1) L5-30R + (6) 5-20R	4	12	VXBP2	BDM1D
<b>200-240 Volt*</b>								
VL3000B	3000	2700	C19 Inlet to L6-20P	(1) C19 + (8) C13	3	8	VXBP2	BDM1C
VL5000B	5000	4500	L6-30P	(1) L6-30R + (4) C19	2	5	VXBP3	No
VL5000B-1	5000	4500	L6-30P	(2) L6-30R + (2) L6-20R + (1) C19	3	8	VXBP3	No

\*\*For 120 VAC models, Voltage input is 120 nominal, -32% to +27% range without use of battery. Voltage output is 120 VAC nominal with 100/115/127 VAC selectable output. Line cord is 6' (1.8 m) long.

\*For 200-240V models, voltage input is 208/220/230/240 VAC nominal, 162-290 VAC range. Voltage output is 230 VAC nominal with 208/220/230/240 VAC selectable output.

Line cord on VL3000B is 8' (2.4 m) long. Other line cords are 6' (1.8 m) long.

## Battery Runtimes:

<b>Battery Runtimes as a percentage of full load</b>															
UPS P/N	Capacity (Watts)	Internal Batteries Only				With (1) Battery Pack				With (2) Battery Packs				Battery P/N	
		25%	50%	75%	100%	25%	50%	75%	100%	25%	50%	75%	100%		
VL800A	720	29	11	6	4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VL1100A	990	26	11	5	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
VL1500A	1350	31	12	6	4	124	53	31	22	216	102	61	42	VXBP1	
VL2000A	1800	30	12	6	4	119	50	30	20	211	97	58	40	VXBP1	
VL2200A	2000	32	12	6	4	125	54	32	22	219	104	62	43	VXBP2	
VL3000A	2700	30	12	6	4	119	50	30	20	211	97	58	40	VXBP2	
VL3000A-1	2700	30	12	6	4	119	50	30	20	211	97	58	40	VXBP2	
VL3000B	2700	13	8	5	3	56	34	24	20	107	66	47	38	VXBP3	
VL5000B	4500	10	5	3	2	38	24	18	14	71	45	33	27	VXBP3	
VL5000B-1	4500	10	5	3	2	38	24	18	14	71	45	33	27	VXBP3	

Battery runtimes shown in minutes and will vary based on battery condition, age, cycles and ambient temperature. Maximum of two external battery packs per UPS.



**Available in U.S. & Canada only**

**Features:**

**6-Year Full Warranty**—industry-leading coverage for both Lithium Ion batteries and UPS electronics.

**Double-Conversion Online**—Provides the most robust power protection against blackouts, brownouts, voltage surges, frequency variation and harmonic distortion

**Longer Runtimes**—Internal runtimes up to 5 times longer than lead-acid UPS

**Longer Lifespan**—Up to 2000 full discharge cycles. Up to 10 times more than lead-acid UPS

**Quick Recharge**—90 minutes to 90% full charge with powerful 8 Amp charger

**Lower Weight**—25% less heavy than typical lead-acid UPS

**Battery Management System**—Ensures cell voltage balancing, current sharing and protection for over-charge and over-discharge

**Maintenance bypass**—optional bypass distribution module enables the UPS to be replaced or serviced without power interruption

**Lithium Ion Online UPS, 1500VA–3000VA**

Provides more than twice the life, higher temperature, tolerance, longer runtime, and faster recharge when compared to typical lead-acid battery solutions. double-conversion Online technology makes this UPS ideal for protection of network, server, edge, light industrial and distributed IT applications.

- Available models: 1500VA/1350W, 2000VA/1800W, 3000VA/2700W
- Tower, two-post, and four-post rack mounting configurations
- UL, cUL, RoHS, FCC A, UN38.3 for battery transportation
- Hot swappable internal lithium ion battery pack

**Specifications:**

- Double-conversion online UPS with lithium iron phosphate battery
- For indoor use in environmentally controlled areas or within environmental enclosures that maintain Operating Conditions
- Power Capacity: Specific to UPS
- Power Input:
  - Alternating current, 50/60 Hz autosensing
  - Voltage, varies per model (see ordering table)
  - 120 Volt models support 55-150 VAC input depending on load level
  - 200-240 Volt models support 110-330 VAC input depending on load level
- Power Output:
  - Voltage, varies per model (see ordering table)
  - 120 Volt models support 100/110/115/120/127 VAC selectable output
  - 200-240 Volt models support 200/208/220/230/240 VAC selectable output
  - Waveform: Pure sine wave: <=2% THD (linear load), <=4% THD (non-linear load)
  - Frequency: 50/60 Hz ± 0.1 Hz
  - Efficiency: Up to 98% efficiency
  - Overload Capacity: Online mode: >110% & ≤ 130% for 5 min; >130% & ≤140% for 30 sec; >140% for 1.5 sec
- Battery:
  - Cell type: Lithium Iron Phosphate, LFP26650 2600 mAh
  - Cell configuration: Specific to UPS
    - LD1500x: (1) 15S2P
    - LD2000x: (2) 15S2P
    - LD3000x: (3) 24S1P
  - Charger Voltage: Specific to UPS
    - LD1500x: 52.2 VDC
    - LD2000x: 52.2 VDC
    - LD3000x: 84.0 VDC
  - Charger current: 1/2/4/6/8 Amp (4 Amp default), adjustable through LCD
  - Recharge Time: 1.5 hours to 90% charge
- Rack-Mount Spaces: 2U, includes mounting bracket
- Dimensions: Specific to UPS
  - LD1500x: 3.5"H x 17.2"W x 15.1"D (89 mm x 437 mm x 384 mm)
  - LD2000x: 3.5"H x 17.2"W x 19.0"D (89 mm x 437 mm x 482 mm)
  - LD3000x: 3.5"H x 17.2"W x 23.8"D (89 mm x 437 mm x 605 mm)
  - Add 1" (25.4 mm) to front for bezel. Bezel extends in front of the equipment mounting rails.
- Weight: Specific to UPS
  - LD1500x: 25.6 lb (11.5 kg)
  - LD2000x: 33.5 lb (15.2 kg)
  - LD3000x: 45.2 lb (20.5 kg)
- Line cord: Specific to UPS (see ordering table)
- Receptacles: Specific to UPS (see ordering table)- VL5000x: 78.5 lb (35.6 kg)
- Operating Conditions:
  - Temperature: 32-104°F (0-40°C)
  - Elevation: 0-11,500' (0-3500 m) above sea level

**Specifications (continued):**

- Approvals:
  - 120 Volt models: UL, cUL, RoHS, FCC Class A and TAA Compliant, battery pack comply to UL1973, UN38.3 for battery transport
  - 200-240 Volt models: CE, RoHS and TAA Compliant, battery packs comply to UL1973, UN38.3 for battery transportation
- Warranty:
  - 6 years electronics, 6 years battery warranty (USA and Canada)
- Communications Interface:
  - RS232, USB, EPO, intelligent slot for optional card (Web/SNMP)
- Included in Box:
  - ViewPower software, user manual, horizontal brackets, and tower pedestals



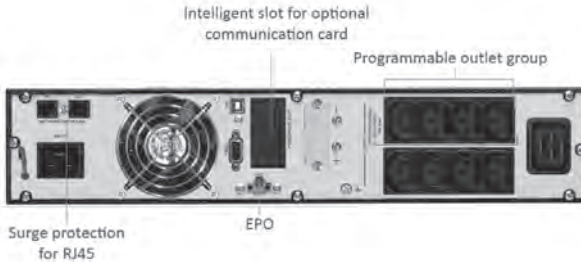
Hot Swappable Battery

**Lithium Ion Online UPS,1500VA–3000VA:**

LD1500A / LD2000A Rear View



LD3000B Rear View



**Lithium Ion Online UPS,1500VA–3000VA:**

Part Number	Capacity VA	Capacity W	Input Plug*	Output Receptacles	Runtime 100% Load	Runtime 50% Load	Bypass Distribution Module Compatibility
<b>120 Volt**</b>							
LD1500A	1500	1350	5-15P	(8) 5-15R	8	19	BDM1A
LD2000A	2000	1800	5-20P	(8) 5-20R	14	30	BDM1B
LD3000A	3000	2700	L5-30P	(1) L5-30P + (6) 5-20R	11	23	BDM1D
LD1500A	1500	1350	5-15P	(8) 5-15R	8	19	BDM1A
LD2000A	2000	1800	5-20P	(8) 5-20R	14	30	BDM1B
LD3000A	3000	2700	L5-30P	(1) L5-30P + (6) 5-20R	11	23	BDM1D
<b>200-240 Volt*</b>							
LD1500B	1500	1350	C14 Inlet to L6-20P	(8) C13	8	19	BDM1C
LD2000B	2000	1800	C20 Inlet to L6-20P	(8) C13	14	30	BDM1C
LD3000B	3000	2700	C20 Inlet to L6-20P	(1) C19+ (8) C13	11	23	BDM1C

\*\*Voltage input: 55-150 VAC (depending on load level)

\*\*Voltage output: 100/110/115/120/127 VAC selectable. Derate capacity to 80% when output voltage is adjusted to 100 VAC.

\*\*Line cord is 6' (1.8 m) long.

\*Voltage input 110-330 VAC (depending on load level)

\*Voltage output: 200/208/220/230/240 VAC selectable. Derate capacity to 80% when output voltage is adjusted to 200 or 208 VAC.

\*Line cord is 8' (2.4 m) long.

**Battery Runtimes:**

<b>Estimated Runtimes on Internal Batteries (mins)</b>											
<b>Percentage Load</b>											
UPS P/N	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%	
LD1500X	111	54	34	25	19	16	13	11	9	8	
LD2000X	163	79	51	38	30	24	21	18	16	14	
LD3000X	127	62	40	29	23	19	16	14	12	11	

Runtimes are shown in minutes and will vary based on battery condition, age, cycles and ambient temperature.



Available in U.S. & Canada only

**Features:**

**Double-Conversion Online**—Provides the most robust power protection against blackouts, brownouts, voltage surges, frequency variation and harmonic distortion

**High output power factor**—provides near unity output power factor rating (2U units)

**Efficient operation**—operation—up to 98% ECO mode efficiency lowers energy consumption

**Charging current**—1/2/4/6/8/12A, adjustable from LCD display. Optimize charging for most battery solutions (2U units only)

**Fast recharge**—up to 95% battery charge in just 3 hours (2U units)

**Multiple communications capability**—RS-232, USB, and optional Web/SNMP communications card

**Programmable receptacles**—remote on/off control (2U only) to extend runtimes to critical pieces of equipment in the event of a utility power outage

**Extended battery runtimes**—optional matching battery modules available for extended runtimes

**Lead Acid Online UPS, 1000VA-3000VA**

Reliable and economical backup power protection for servers and network applications.

- Available models: 1000VA, 1500VA, 2000VA, 3000VA
- Tower, wall, two-post, and four-post rack mounting configurations
- UL, cUL, CE, RoHS, FCC A, FCC B, TAA compliant (UPS only)
- Hot swappable battery design
- 3 years electronics, 3 years battery warranty (USA and Canada)

**Specifications:**

- Double-conversion online UPS with lead acid battery
- For indoor use in environmentally controlled areas or within environmental enclosures that maintain Operating Conditions
- Power Capacity: Specific to UPS
- Power Input:
  - Alternating current, 50/60 Hz autoensing
  - Voltage, varies per model (see ordering table)
  - 120 VAC models support 55-150 VAC input depending on load level
  - 200-240 VAC models support 208/220/230/240 VAC input depending on load level
- Power Output:
  - Voltage, varies per model (see ordering table)
  - 120 Volt models support 120 VAC nominal. 2U models support 100/110/115/127 VAC selectable output. Capacities are based on highest selectable voltage. Some models derate at lower voltages.
  - 200-240 Volt models support 230 VAC nominal. 2U models support 200/208/220/230/240 VAC selectable output. Capacities derates to 90% at 208 Volt.
  - Waveform: Pure sine wave:
    - 1U: <3% THD (linear load), <5% THD (non-linear load);
    - 2U: <2% THD (linear load), <4% THD (non-linear load)
  - Frequency:
    - 1U: 50/60 Hz ± 0.3 Hz
    - 2U: 50/60 Hz ± 0.1 Hz
  - Efficiency: Up to 98% efficiency
  - Overload Capacity: Online mode
    - 1U: > 105% & ≤ 130% for 2 min; >130% & ≤200% for 10 sec;
    - >200% for 250 ms sec
    - 2U: >110% & ≤ 130% for 5 min; >130% & ≤140% for 30 sec; >140% for 1.5 sec
- Battery:
  - Battery Chemistry: Sealed, maintenance-free lead acid
  - Battery Size: Specific to UPS
    - VD1000x1U: (4) 6V 290W
    - VD1000x: (2) 12V 9AH
    - VD1500x: (3) 12V 9AH
    - VD2000x: (4) 12V 9AH
    - VD3000x: (6) 12V 9AH
  - Charger Voltage: Specific to UPS
    - VD1000x1U: 27.4 VDC
    - VD1000x: 27.4 VDC
    - VD1500x: 41.1 VDC
    - VD2000x: 58.8 VDC
    - VD3000x: 82.1 VDC
  - Charger current:
    - 1U: 1A default
    - 2U: 2A default, max 8A, adjustable through LCD
  - Recharge Time:
    - 1U: < 9 hours to 90%
    - 2U: < 3 hours to 95% with 2A charger current

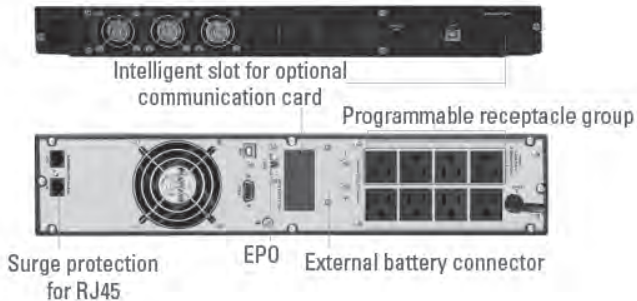
**Specifications (continued):**

- Rack-Mount Spaces: 1U or 2U, includes mounting brackets
  - Dimensions: Specific to UPS
    - 1U:
      - VD1000x1U: 1.7"H x 17.2"W x 17.8"D (43 mm x 437 mm x 452 mm)
      - 2U:
        - VD1000x: 3.5"H x 17.2"W x 15.1"D (89 mm x 437 mm x 384 mm)
        - VD1500x: 3.5"H x 17.2"W x 15.1"D (89 mm x 437 mm x 384 mm)
        - VD2000x: 3.5"H x 17.2"W x 19.0"D (89 mm x 437 mm x 483 mm)
        - VD3000x: 3.5"H x 17.2"W x 23.8"D (89 mm x 437 mm x 605 mm)
- Add 1" (25 mm) to front for bezel. Bezel extends in front of the equipment mounting rails.
- Weight: Specific to UPS
    - VD1000x1U: 28.0 lb (12.7 kg)
    - VD1000x: 25.6 lb (11.6 kg)
    - VD1500x: 34.2 lb (15.5 kg)
    - VD2000x: 43.0 lb (19.5 kg)
    - VD3000x: 60.6 lb (27.5 kg)

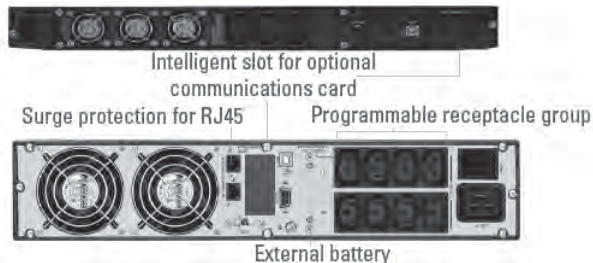
- Line cord: Specific to UPS (see ordering table)
- Receptacles: Specific to UPS (see ordering table)
- Operating Conditions:
  - Temperature: 32-104°F (0-40°C)
  - Elevation: 0-11,500' (0-3500 m) above sea level
- Approvals:
  - 120 Volt models: UL, cUL, RoHS, FCC Class B (VD1000x, VD1500x), FCC Class A (VD1000x1U, VD2000x, VD3000x), TAA compliant (UPS only)
  - 200-240 Volt models: CE, RoHS, TAA compliant (UPS only)
- Warranty:
  - 3 years electronics, 3 years battery warranty (USA and Canada)
- Communications Interface:
  - RS-232 (2U only), USB, EPO, intelligent slot for optional card (Web/SNMP)
- Included in Box:
  - ViewPower software, user manual, horizontal brackets, and tower pedestals

**Lead Acid Online UPS, 1000VA-3000VA:**

UPS Rear View VD1000A1U (top) & VD1000A (bottom)



UPS Rear View of VD1000B1U (top) and VD3000B (bottom)



**Lead Acid Online UPS, 1000VA-3000VA:**

Part Number	Capacity VA	Capacity W	Input Plug*	Output Receptacles	Runtime 100% Load	Runtime 50% Load	External Battery Option	Bypass Distribution Module Compatibility
<b>120 Volt**</b>								
VD1000A1U	1000	800	C14 Inlet to 5-15P	(3) 5-15R	8	20	No	BDM1A
VD1000A	1000	1000	5-15P	(8) 5-15R	3	6	No	BDM1A
VD1500A	1500	1450	5-15P	(8) 5-15R	3	10	VXBP4 or VXBP5	BDM1A
VD2000A	2000	1930	5-20P	(8) 5-20R	3	10	VXBP6	BDM1B
VD3000A	3000	2880	L5-30P	(1)L5-30R + (6) 5-20R	3	10	VXBP7	BDM1D
<b>200-240 Volt*</b>								
VD1000B1U	1000	800	C14 Inlet to L6-20P	(3) C13	8	20	No	BDM1C
VD1500B	1500	1450	C14 Inlet to L6-20P	(8) C13	3	10	VXBP4 or VXBP5	BDM1C
VD2000B	2000	1930	C20 Inlet to L6-20P	(8) C13	3	10	VXBP6	BDM1C
VD3000B	3000	2880	C20 Inlet to L6-20P	(1) C19 + (8) C13	3	10	VXBP7	BDM1C

**Notes:**

\*For 120 VAC models, Voltage input range is 55-150 VAC (depending on load level). Voltage output is 120 VAC nominal. 2U models support 100/110/115/127 VAC selectable output. Capacities are based on highest selectable voltage. Some models derate at lower voltages.

\*\*For 200-240 VAC models, Voltage input is 208/220/230/240 VAC (depending on load level). Voltage output is 230 VAC nominal. 2U models support 200/208/220/230/240 VAC selectable output.

Capacity derates to 90% at 208 Volts.

Line cord on VD1000A1U is 5' (1.5 m) long, Line cord on other 120 VAC models are 6' (1.8 m) long.

Line cords on 200-240 VAC models are 8' (2.4 m) long.

**Battery Runtimes:**

<b>Battery Runtimes as a Percentage of Full Load</b>																			
UPS P/N	Capacity (Watts)	Internal Batteries Only		(1) Battery Pack		(2) Battery Packs		(3) Battery Packs		(4) Battery Packs		(5) Battery Packs		(6) Battery Packs		(7) Battery Packs		Battery P/N	
		50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%	50%	100%		
VD1000A1U	800	20	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
VD1000A	1000	6	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
VD1500A	1450	10	3	42	17	84	33	120	51	157	72	199	93	244	112	289	128	VXBP4	
VD1500A	1450	10	3	84	33	157	72	244	122	339	146	N/A	N/A	N/A	N/A	N/A	N/A	N/A	VXBP5
VD2000A	1930	10	3	42	17	84	33	121	51	157	72	200	93	244	112	289	128	VXBP6	
VD3000A	2880	10	3	42	17	84	33	121	52	158	73	201	94	246	112	292	129	VXBP7	
VD1000B1U	800	20	8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
VD1500B	1450	10	3	42	17	84	33	120	51	157	72	199	93	244	112	289	128	VXBP4	
VD1500B	1450	10	3	84	33	157	72	244	112	339	146	449	189	523	233	N/A	N/A	N/A	VXBP5
VD2000B	1930	10	3	42	17	84	33	121	51	157	72	200	93	244	112	290	128	VXBP6	
VD3000B	2880	10	3	42	17	84	33	121	52	158	73	201	94	246	112	292	129	VXBP7	

Runtimes are shown in minutes and will vary based on battery condition, age, cycles and ambient temperature. Maximum of seven battery packs with Models VD1500x, VD2000x and VD3000x. Note N/A indicates battery pack limit for various UPS and battery pack combinations.





## Lead Acid Online UPS, 5000VA-10,000 VA

Reliable and economical backup power protection for servers and network applications.

- Available models: 5kVA/5kW, 6kVA/6kW, 10kVA/10kW
- Tower, wall, two-post, and four-post rack mounting configurations
- UL 1778, cUL, FCC, RoHS, CE, TAA compliant
- 3 years electronics, 3 years battery warranty (USA and Canada)

Available in U.S. & Canada only

### Features:

**Double-Conversion Online**—Provides the most robust power protection against blackouts, brownouts, voltage surges, frequency variation and harmonic distortion

**Unity output power factor**—provide more real capacity for high density loads

**Efficient operation**—operation up to 98% ECO mode efficiency lowers energy consumption

**Hot swappable battery**—optional battery packs are easy to replace without interrupting the load

**Multiple communications capability**—RS-232, USB, and optional Web/SNMP communications card

**Maintenance bypass**—optional bypass module enables the UPS to be replaced or serviced without interruption of power to critical loads

**Extended battery runtimes**—optional matching battery modules available for extended runtimes

**Isolation transformer**—optional transformer provides 240/120 or 208/120V output

### Specifications:

- Double-conversion online UPS with lead acid battery
- For indoor use in environmentally controlled areas or within environmental enclosures that maintain Operating Conditions
- Power Capacity: Specific to UPS
- Power Input:
  - Alternating current, 50/60 Hz autosensing
  - Voltage, 110-300 VAC depending on load level
- Power Output:
  - Voltage, supports 208/220/230/240 VAC (208/120 VAC or 240/120 VAC with optional transformer) selectable output Capacities derates to 90% at 208 Volt.
  - Frequency: 50/60 Hz  $\pm$  4 Hz
  - Waveform: THD (full load): < 4%
  - Overload capacity: 110% 10 min; 130% 1 min; >130% 1 sec
  - Efficiency: Up to 94% online mode or 99% ECO mode
- Battery:
  - VD5000B and VD6000B includes one VXBPB. VD10KB includes one VXBP9.
  - Order up to 2 additional similar battery packs for longer runtimes
  - Battery Chemistry: Sealed, maintenance-free lead acid
  - UPS Charger current: 1-4A
  - UPS Nominal/float voltage: 240/273 VDC
  - VXBPB, 2U external battery:
    - Dimensions: 3.5"H x 17.2"W x 27.4"D (89 mm x 437 mm x 696 mm)
    - Battery quantity and type: (20) 12V 5AH Lead Acid
  - VXBP9, 3U external battery:
    - Dimensions: 5.2"H x 17.2"W x 27.4"D (132 mm x 437 mm x 696 mm)
    - Battery quantity and type: (20) 12V 580W Lead Acid
- See battery runtime and order table
- Rack-Mount Spaces: 2U, includes mounting brackets
- Dimensions (HxWxD):
  - 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm)
- Weight: Specific to UPS
  - VD5000x: 33.1 lb (15.0 kg)
  - VD6000x: 33.1 lb (15.0 kg)
  - VD10KB: 39.7 lb (18.0 kg)
- Line cord: Hardwired (see ordering table)
- Receptacles: Hardwired or use Bypass Distribution Module (see ordering table)

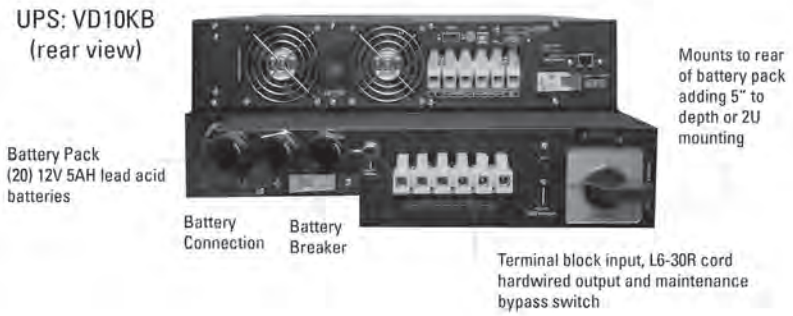
**Specifications (continued):**

- Bypass Distribution Module
  - This UPS has terminal input and output
  - Add bypass distribution module to provide outlets and manual bypass between utility and UPS conditioned power
  - Note: When using a 6kVA unit with a L6-30P input connection, the unit will derate to 5kVA.
  - Model BDM2A (5, 6kVA):
    - Input connection: L6-30P with 6' (1.8 m) cord
    - Output connection: (2) L6-30R + (2) C19 with each breaker
  - Model BDM3A (5, 6 or 10kVA):
    - Input connection: Terminal blocks
    - Output connection: Terminal block + (2) L6-30R + (2) C19 with each breaker
  - Model BDM3B (5, 6 or 10kVA):
    - Input connection: Terminal blocks
    - Output connection: Terminal block + L6-30R with breaker
  - Model BDM3C (5, 6 or 10kVA):
    - Input Connection: Terminal blocks
    - Output connection: (2) L6-30R each with breaker

- Operating Conditions:
  - Temperature: 32-104°F (0-40°C)
  - Audible noise: Specific to UPS
    - 5000/6000VA: < 55 dBA
    - 10000VA: < 58 dBA
  - Elevation: 0-11,500' above sea level
- Approvals:
  - UL 1778, cUL, FCC, RoHS, CE, TAA compliant
- Warranty:
  - 3 years electronics, 3 years battery warranty (USA and Canada)
- Communications Interface:
  - RS-232 (2U only), USB, EPO, intelligent slot for optional card (Web/SNMP)
- Included in Box:
  - ViewPower software, user manual, horizontal brackets, and tower pedestals

**Lead Acid Online UPS, 5000VA-10kVA:**

UPS Rear View with Battery and Bypass Distribution Module attached:



**Lead Acid Online UPS, 5000VA-10kVA:**

Part Number	Capacity VA	Capacity W	Input Plug*	Output Receptacles	Runtime 100% Load	Runtime 50% Load	External Battery Option	Bypass Distribution Module Compatibility
<b>200-240 Volt*</b>								
VD5000B	5000	5000	Terminal Block	Terminal Block	7	21	VXBP8	BDM2A, BDM3A, BDM3B, BDM3C
VD65000B	6000	6000	Terminal Block	Terminal Block	5	15	VXBP8	BDM3A, BDM3B, BDM3C
VD10KB	10000	10000	Terminal Block	Terminal Block	2	7	VXBP9	BDM3A, BDM3B, BDM3C

*Notes: Part numbers above include one Battery Pack. Order additional Extended battery packs and Maintenance Bypass module separately.*

*\*Voltage input: 110-300 VAC (depending on load level)*

*\*Voltage output: 208/220/230/240 selectable output. Capacity derates to 90% at 208 VAC output.*

**Battery Runtimes:**

<b>Battery Runtimes - Based on Load</b>											
Battery P/N	Qty	1 kW	2 kW	3 kW	4 kW	5 kW	6 kW	7 kW	8 kW	9 kW	10 kW
VXBP8	1	53	27	15	11	7	5	4	4	3	2
	2	117	61	38	27	20	15	13	11	9	7
	3	171	100	62	43	33	27	22	18	15	13
VXBP9	1	92	46	29	20	15	12	10	8	7	6
	2	182	106	66	47	36	29	24	20	18	15
	3	287	151	107	76	58	47	39	33	29	25

*Battery runtimes shown in minutes and will vary based on battery condition, age, cycles and ambient temperature. Maximum of three external battery packs per UPS.*



Available in U.S. & Canada only

## Features:

**Double-Conversion Online**— Provides the most robust power protection against blackouts, brownouts, voltage surges, frequency variation and harmonic distortion

**Integral Maintenance Bypass**— Simplifies UPS repair or replacement and reduces costly downtime without any need for external component connections.

**Efficient operation**— Best in class energy efficiency provides low energy consumption and heat output.

**Unity output power factor**— Provide more real capacity for high-density loads.

**Optional receptacle panel**— Configure with L21-20R or L21-30R output receptacles. Optional input cord set simplifies field installation.

**Multiple output voltages** — 208V and 120V output without the need for any additional isolation transformers.

**3-phase input and output**— Helps balance loads across all incoming phases into the facility.

## Modular Design

Back plane connector for ease of installation and maintenance of UPS and Battery modules



## Lead Acid Online UPS, 5kVA–8kVA, 3-Phase

Modular, flexible entry-level three-phase power solution providing continuous power availability and high-efficiency for critical server, network and branch office applications.

- Available models: 5kVA/5kW, 8kVA/8kW
- Tower, wall, two-post, and four-post rack mounting configurations
- cTUVusa listed to UL-1178, FCC A, RoHS, TAA compliant
- 2 years (Electronics & Batteries) warranty (USA and Canada)

## Specifications:

- Double-conversion online UPS with lead acid battery; 3-phase
- For indoor use in environmentally controlled areas or within environmental enclosures that maintain Operating Conditions
- Power Capacity: Specific to UPS
- Power Input:
  - 120/208V, 50/60Hz auto-sensing (3PH+N+G)
  - 152-269VAC\* (L-L) / 40-70Hz
  - Input connection: Terminal Block or Input Line cord
- Power Output:
  - Voltage, supports 120/208V, 50/60Hz  $\pm$  0.1Hz; (3PH+N)
  - THD (full load)  $\leq$ 2% (Linear load);  $\leq$ 3% (Non-linear load)
  - Overload Efficiency: Up to 98% ECO mode, 93% online mode
  - Overload Capacity: 100% - 110% for 30 min; 110% - 130% for 5min; 130% - 150% for 10s; > 150% for 200ms
  - Output connections: Terminal Block or Output Receptacle Panel
- Battery:
  - Nominal Voltage; +/-96Vdc or +/-120Vdc (+/-96Vdc default)
  - UPS Charger current: 1-4A
- Physical:
  - Rack-Mount Spaces: 6U; Includes rack- mounting brackets (Optional Tower conversion Kit)
  - System Enclosure : 17.3"W x 31.5"D x 10.5"H / 34 lbs
  - Power Module: 16.3"W x 24"D x 5.2"H / 38 lbs
  - Battery Module: 16.3"W x 24"D x 5.2"H / 107 lbs
- Operating Conditions:
  - Temperature: 0-40°C (32-104°F)
  - Audible noise: < 58dBA a
  - 5,200 ft above sea level
- Communications Interface:
  - RS-232, USB, EP0, intelligent slot for optional cards (Web/SNMP, Relay, Modbus)
- Included in Box: ViewPower software, user manual, USB Cable, R2-232 cable, mounting brackets

## Rear View:



## Lead Acid Online UPS, 5kVA–8kVA, 3-Phase

Part Number	Capacity VA	Capacity W	Input Plug	Output Receptacles	SNMP/Web Card Included	Runtime 100% Load	Runtime 50% Load
<b>120/208V</b>							
VD5K3P	5000	5000	Terminal Block	Terminal Block	No	12	30
VD8K3P	8000	8000	Terminal Block	Terminal Block	No	6	15
VD5K3P-1	5000	5000	L21-20P	L21-20R	Yes	12	30
VD8K3P-1	8000	8000	L21-30P	L21-30R	Yes	6	15

Notes: Part numbers include a battery pack.

### Battery Runtimes:

Battery Runtimes - Based on Load									
Battery P/N	Qty	1 kW	2 kW	3 kW	4 kW	5 kW	6 kW	7 kW	8 kW
VD5K3P/VD5K3P-1	1	85	38	22	15	12	-	-	-
VD8K3P/VD8K3P-1	1	85	38	22	15	12	9	7	6

### Accessories:

Battery runtimes shown in minutes and will vary based on battery condition, age, cycles and ambient temperature.  
Maximum of three external battery packs per UPS.



### Receptacle Panels

Optional Receptacle panels on the rear of the units reduces installation costs and simplifies plugging in of compatible corded Rack Power distribution units. Included within VD5K3P-1 and VD8K3P-1.

Part Number	Description	Shipping Weight lb (kg)
UPSRPANELVD5K3PH1	(1) L21-20R and (1) 20A Breaker	2 (0.9)
UPSRPANELVD8K3PH1	(1) L21-30R and (1) 30A Breaker	2 (0.9)



### Input Cords

Optional input cords with locking plugs makes the units plug and play. Included within VD5K3P-1 and VD8K3P-1.

Part Number	Description	Shipping Weight lb (kg)
UPSINPUTL21-20	Input Cord with L21-20P, 8'L	2 (0.9)
UPSINPUTL21-30	(Input Cord with L21-30P, 8'L	2 (0.9)

## UPS Mounting Kits

Various mounting kit options for UPS, Extended Runtime Battery Packs and Isolation Transformer PDU's.



UPSBRKT1



UPSRAILKIT4X



UPSHELFKIT2A



UPSRAILKIT2A



UPSCASTERBASE1

Part Number	Description	Shipping Weight lb (kg)
UPSRAILKIT4A	Four-Post Rail Kit for 800VA-3000VA UPS; Min Rail Depth 20" (508 mm); Max Rail Depth 32" (812 mm); Zinc	7 (3.1)
UPSRAILKIT4B	Four-Post Rail Kit for 5-10KVA UPS, Battery Packs and Transformer PDU's; Min Rail Depth 20" (508 mm); Max Rail Depth 32" (812 mm); Zinc	7 (3.1)
UPSRAILKIT4C	4-Post Mounting Kit; included within all configurations	7 (3.1)
UPSRAILKIT2A	Two-Post Rail Kit for UPS; Rated For 125 lb (56 kg); 3" H x 4" W x 20" D (77 mm x 102 mm x 508 mm); Black	7 (3.1)
UPSHELFKIT2A	Two-Post Shelf for UPS; Rated For 150 lb (68 kg); 3.5" H x 21.5" W x 23.3" D (89 mm x 547 mm x 592 mm); Black	14 (6.3)
UPSBRKT1	Front Rack-mount Bracket for 800VA-3000VA UPS For Two-Post and Four-Post Racks, Black	2 (0.9)
UPSCASTERBASE1	Tower Conversion Kit with Caster Base	7 (3.1)

Note: UPS and Battery Packs include Front Rack-mount Bracket (P/N UPSBRKT1).

## Communications Card

Provide remote monitoring, management, and control of the UPS through a network connection from a web browser. Monitor input voltage, output voltage, frequency, temperature, load and capacity. View event, data and battery test logs. Supports RFC1628, SNMPv1/v2/v3 and PCC MIB. Support TCP/IP, IPv4, IPv6, HTTP, HTTPS, SSL, SSH, SMTP, SNMP, DHCP, Telnet, BOOTP, DNS, DDNS, PPPoE, and RADIUS protocols. Supports an optional external environmental sensor.



SNMP1



SNMP2



SNMP1EXT



SNMP2EXT



MODBUS1

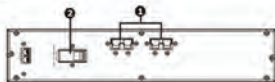


RELAY1

Part Number	Description	Shipping Weight lb (kg)
SNMP1	Internal SNMP/WEB Card For VD/VL/LD UPS Models; 10/100 MB; Management and Shutdown of Remote Clients Via LAN; Black	2 (0.9)
SNMP2	Two port internal SNMP/Web Card; Included with VD5K3P-1 and VD8K3P-1	2 (0.9)
SNMP1EXT	Environmental Monitoring Sensor; Attaches to SNMP1 Card; Monitors Temperature, Humidity; Black	2 (0.9)
SNMP2EXT	Temperature and Humidity Probe, requires SNMP2	2 (0.9)
MODBUS1	MODBUS (RTU) Protocol Card	2 (0.9)
RELAY1	Relay Card with 10 port relay connector	2 (0.9)



Rear Panel View



1. DC connector: connects to either UPS or 2nd battery box  
 2. DC breaker: Battery over-current protector breaker

## Extended Runtime Battery Pack

Increase the on-battery runtime for UPS systems by adding additional external battery packs to the UPS. Each battery pack matches specific UPS models. Battery Packs use 2U of rack-mount space and should be placed adjacent to the supported UPS.

Part Number	Description	Shipping Weight lb (kg)
VXBP1	Use with VL1500x/VL2000x UPS; 2U; 18.9"D (481 mm); Dims: 3.5"H x 17.2"W x 18.9"D (89 mm x 437 mm x 480 mm) Battery: (8) 12V 9AH / 48VDC, Black	74.6 (33.8)
VXBP2	Use with VL2000x/VL3000x UPS; 2U; 23.6"D (600 mm); Dims: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm) Battery: (12) 12V 9AH / 72VDC, Black	104.4 (47.4)
VXBP3	Use with VL5000x UPS; 2U; 23.6"D (600 mm); Dims: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm) Battery: (12) 12V 580W at 5 mi / 72VDC, Black	110.4 (50.1)
VXBP4	Use with VD1500x UPS; 2U; 18.9"D (481 mm); Dims: 3.5"H x 17.2"W x 18.9"D (89 mm x 437 mm x 480 mm) Battery: (6) 12V 9AH / 36VDC, Black	58.1 (25.2)
VXBP5	Use with VD1500x UPS; 2U; 23.6"D (600 mm); Dims: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm) Battery: (12) 12V 9AH / 36VDC, Black	104.4 (50.1)
VXBP6	Use with VD2000x UPS; 2U; 18.9"D (481 mm); Dims: 3.5"H x 17.2"W x 18.9"D (89 mm x 437 mm x 480 mm) Battery: (8) 12V 9AH / 48VDC, Black	74.6 (33.8)
VXBP7	Use with VD3000x UPS; 2U; 23.6"D (600 mm); Dims: 3.5"H x 17.2"W x 23.6"D (89 mm x 437 mm x 600 mm) Battery: (12) 12V 9AH / 72VDC, Black	104.0 (47.4)
VXBP8	Use with VD5000x/VD6000x/VD10kx UPS; 2U; 27.4"D (696 mm); Dims: 3.5"H x 17.2"W x 27.4"D (89 mm x 437 mm x 696 mm) Battery: (20) 12V 5AH, Black	120.0 (54.4)
VXBP9	Use with VD5000x/VD6000x/VD10kx UPS; 3U; 27.4"D (696 mm); Dims: 5.2"H x 17.2"W x 27.4"D (132 mm x 437 mm x 696 mm) Battery: (20) 12V 580W, Black	160.0 (72.6)

## Maintenance Bypass Distribution Modules

Manually transfer critical load from UPS power to utility power to prevent power interruption when repairing or replacing the UPS. Provide surge protection on input power.

Part Number	Description	Shipping Weight lb (kg)
BDM1A	1U; Single-Phase; 120V; 15A; 12'L (3.6 m) Input Cord with 5-15P; 5-15R UPS Input; 5-15P UPS Output; (6) 5-15R Outlets Front + (4) 5-15R Outlets Rear; 1.75"H x 19"W x 3.5"D (45 mm x 489 mm x 89 mm); Black	5 (2.2)
BDM1B	1U; Single-Phase; 120V; 20A; 12'L (3.6 m) Input Cord with 5-20P; 5-20R UPS Input; 5-20P UPS Output; (6) 5-20R Outlets Front + (4) 5-20R Outlets Rear; 1.75"H x 19"W x 3.5"D (45 mm x 489 mm x 89 mm); Black	7 (3.1)
BDM1C	1U; Single-Phase; 200-240V; 16A; C20 Inlet; C19 UPS Input; C20 UPS Output; (2) C19 + (4) C13 Outlets Front + (4) C13 Outlets Rear; Includes (2) C20 to (C19) Cord Kits; 1.75"H x 19"W x 3.5"D (45 mm x 483 mm x 89 mm); Black	5 (2.2)
BDM1D	1U; Single-Phase; 120V; 30A; 6'L (1.8 m) Input Cord with L5-30P; L5-30R UPS Input; L5-30P UPS Output; (5) 5-20R Outlets Front + (5) 5-20R Outlets Rear; 1.75"H x 19"W x 3.5"D (45 mm x 483 mm x 89 mm); Black	5 (2.2)
BDM2A	For VD5000B/VD6000B UPS; L6-30P Input; (2) L6-30R + (2) C19 Outlets; 3.5"H x 14.6"W x 5"D (89 mm x 371 mm x 127 mm); Black	10 (4.5)
BDM3A	For VD5000B/VD6000B/VD10KB UPS; Terminal Block Input; Terminal Block + (2) L6-30R + (2) C19 Outlets; 3.5"H x 14.6"W x 5"D (89 mm x 371 mm x 127 mm); Black	10 (4.5)
BDM3B	For VD5000B/VD6000B/VD10KB UPS; Terminal Block Input; Terminal Block + (1) L6-30R + (2) C19 Outlets; 3.5"H x 14.6"W x 5"D (89 mm x 371 mm x 127 mm); Black	10 (4.5)
BDM3C	For VD5000B/VD6000B/VD10KB UPS; Terminal Block Input; (2) L6-30R Outlets; 3.5"H x 14.6"W x 5"D (89 mm x 371 mm x 127 mm); Black	11 (4.9)

*Note: Mounts to rear of battery pack or in the rear of the rack  
BDM1x models include surge protection. For 120 VAC BDM1A, BDM1B, and BDM1D models, maximum spike current is 6500A, energy dissipation is 114J, maximum clamping voltage is 330 VAC. For 200-240VAC BDM1C model, maximum spike current is 6500A, energy dissipation is 220J, maximum clamping voltage is 330 VAC. BDM2A and BDM3x models mount to the rear of the battery pack or in the rear of the rack.*



BDM1A



BDM1B



BDM1C



BDM1D



BDM2A



BDM3A



## Start-Up Service

Onsite review of initial installation and system configuration of the UPS system. Scheduled visit during standard work week (5x8). Does not include physical installation or electrical connections.

*\* Order one Start-Up Service per UPS*

Part Number	Start-Up Service*
STARTUPUPSVD1	UPS Start-Up Service, 5x8, For First VD5000x, VD6000x or VD10Kx Single-Phase UPS
STARTUPUPSVD2	UPS Start-Up Service, 5x8, For Additional VD5000x, VD6000x or VD10Kx Single-Phase UPS, Performed Along With First Unit
STARTUPUPSVD3	UPS Start-Up Service, 5x8, For VD5K3P and VD8K3P, 3-Phase UPS, First Unit
STARTUPUPSVD4	UPS Start-Up Service, 5x8, For VD5k3P and VD8k3P, 3-Phase UPS, Additional Units

## Preventative Maintenance Service

Onsite preventative maintenance of UPS and batteries. Scheduled visit during standard work week (5x8). Does not include physical installation or electrical connections.

*\*\* Order one Preventative Maintenance Service per UPS.*

*Covers one visit*

Part Number	Preventive Maintenance Service**
PMUPSVD1	UPS Preventative Maintenance Service, One Visit For First VD5000x, VD6000x or VD10Kx Single-Phase UPS
PMUPSVD2	UPS Preventative Maintenance Service; One Visit For Additional VD5000x, VD6000x or VD10Kx Single-Phase UPS, Performed Along With First Unit
PMUPSVD3	Preventive Maintenance Service 5x8 For VD5K3P and VD8K3P, First Unit
PMUPSVD4	Preventive Maintenance Service 5x8 For VD5K3P and VD8K3P, Additional Units

## Onsite Service

Onsite UPS maintenance service coverage including start-up and corrective maintenance of electronics Scheduled visit during standard work week (5x8) Does not include physical installation or electrical connections. *\*\*\* Additional plans available*

Part Number	Onsite Service***
3YRONSITE-UPSVD1	UPS Onsite Services; Three Year 5x8 Service Plan for VD5000x, VD6000x, or VD10Kx Single-Phase UPS; Includes Onsite Start-up and Onsite Corrective Maintenance of Electronics.
1YRONSITE-UPSVD3PH1	One Year 5x8 Service Plan for VD5K3P & VD8K3P configurations. Includes Onsite corrective maintenance of electronics & batteries. Requires separate purchase of Start-up service
3YRONSITE-UPSVD3PH1	Three Year 5x8 Service Plan for VD5K3P & VD8K3P configurations. Includes Onsite corrective maintenance of electronics & batteries. Requires separate purchase of Start-up service
5YRONSITE-UPSVD5PH1	Five Year 5x8 Service Plan for VD5K3P & VD8K3P configurations. Includes Onsite corrective maintenance of electronics & batteries. Requires separate purchase of Start-up service

## Extended Warranty

Chatsworth Products (CPI) Extended limited warranties on CPI-Branded Electronic hardware products are available for two additional years beyond the expiration of the Original Warranty Period (3 years). CPI's Extended Limited Warranty can be purchased concurrently with, or separately from, the initial purchase of the product until the expiration of the Original Warranty Period for that product.

UPS Models featuring Lithium-Ion batteries carry a standard 6-year warranty with no further warranty extensions. CPI-branded UPS models featuring Lead-Acid batteries carry a standard warranty of 3 years. Customers are invited to extend the standard 3-year warranty to 5 years by adding an additional 2 years of coverage. Extended warranty includes coverage of electronics and internal batteries on UPS's and advanced replacement with ground shipping both ways.

Contact CPI Customer Service, or visit [chatsworth.com/warranty](http://chatsworth.com/warranty) for more information.



Part Number	Description
L1-2YEXTWAR-ELECTRONICS-C	2-Year Warranty Extension for PDUs with MSRP up to \$1700
L2-2YEXTWAR-ELECTRONICS-C	2-Year Warranty Extension for PDUs with MSRP \$1701 - \$3400
L3-2YEXTWAR-ELECTRONICS-C	2-Year Warranty Extension for PDUs with MSRP > \$3400
Part Number	UPS Warranty
ZYEXTWAR-UPSVL1	Five-Year Warranty: VL800x - VL1500x Single-Phase UPS
ZYEXTWAR-UPSVL2	Five-Year Warranty: VL2000x - VL3000x Single-Phase UPS
ZYEXTWAR-UPSVL3	Five-Year Warranty : VL5000x Single-Phase UPS
ZYEXTWAR-BP1	Five-Year Warranty: VXBP1 or VXBP2 Extended Battery Pack
ZYEXTWAR-UPSD1	Five-Year Warranty: VD1000x - VD1500x Single-Phase UPS
ZYEXTWAR-UPSD2	Five-Year Warranty: VD2000x - VD3000x Single-Phase UPS
ZYEXTWAR-BP2	Five-Year Warranty: VXBP4, VXBP5, VXBP6 or VXBP7 Extended Runtime Battery Pack
ZYEXTWAR-UPSVD3	Five-Year Warranty: VD5000x/VD6000x/VD10Kx Single-Phase UPS
ZYEXTWAR-BP3	Five-Year Warranty: VXBP8 or VXBP9 Extended Runtime Battery Pack
3YEXTWAR-UPSVD3PH1	Additional Three-Year Warranty for VD5K3P and VD8K3P, 3-Phase UPS

## SECTION 5

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# BONDING & GROUNDING

Busbars .....	5-3
Bonding Hardware .....	5-8
Bonding Accessories .....	5-14



*Learn about CPI's Standard Limited Warranty and Extended Limited Warranties  
See page vii for details*

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# BONDING & GROUNDING

In response to the increase in newer, more sensitive, highly sophisticated electronic equipment, CPI offers a full line of UL® Listed Bonding & Grounding Products that are designed to provide protection and prevent transient voltages from damaging sensitive electronic equipment.

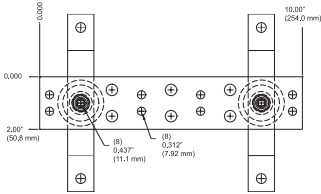
## **Where Can I Learn More?**

To learn more about CPI's Bonding & Grounding Products, or to find additional part numbers not listed in this catalog, please visit our website, [chatsworth.com](http://chatsworth.com).

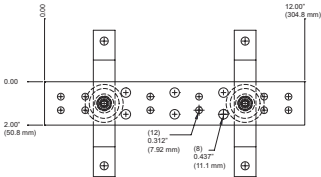
## **Related Tools:**

Use these tools, under the Resources tab on [chatsworth.com](http://chatsworth.com), to simplify your planning, selection, order and purchase of CPI Bonding & Grounding Products.

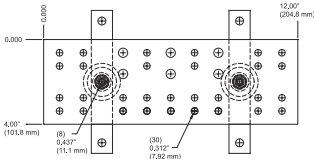
- BIM Drawings
- MasterFormat Specs
- Visio Shapes



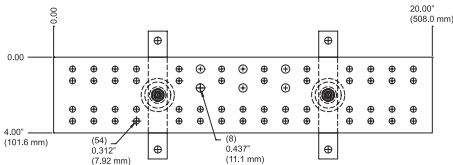
13622-010: (4) Lugs, 5/8" (15.88 mm) hole centers  
(3) Lugs, 1" (25.4 mm) hole centers



13622-012: (6) Lugs, 5/8" (15.88 mm) hole centers  
(3) Lugs, 1" (25.4 mm) hole centers



40153-012: (15) Lugs, 5/8" (15.88 mm) hole centers  
(3) Lugs, 1" (25.4 mm) hole centers



40153-020: (27) Lugs, 5/8" (15.88 mm) hole centers  
(3) Lugs, 1" (25.4 mm) hole centers

## BICSI & ANSI /TIA Bonding Busbars

The CPI 13622 series Secondary Bonding Busbar (SBB) provides a central bond attachment point for ICT systems located in the data room. The CPI 40153 series ICT Primary Bonding Busbar (PBB) provides a central bond attachment point for ICT bonding backbones, equipment and the building's ground electrode system. All CPI Bonding Busbars are UL Listed.

Hole patterns on Busbars accommodate two-hole lugs per the recommendation of ANSI/BICSI N3-20 and ANSI/TIA-607 standards. Insulators electrically isolate Busbars from the wall or other mounting surfaces, thereby controlling the current path.

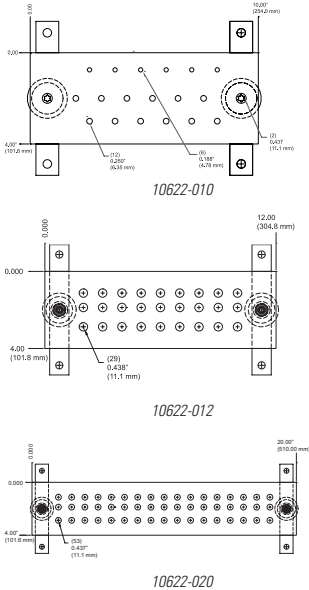
- Mounting brackets are manufactured from high-quality 300 series stainless steel with 3/8" (9.53 mm) diameter mounting holes spaced 5.75" (146.1 mm) apart
- Busbars mount on the wall, floor or ceiling
- Ships preassembled
- Sold individually
- UL Listed, File E236184, Category KDER (US), KDER7 (Canada)
- Busbar assemblies with lug kits also available
- Other configurations available on request

### Each Busbar consists of:

- (1) Busbar
- (2) insulators
- (2) stand-off brackets
- (4) stainless steel bolts with Torx T-45 head
- Order installation hardware separately

Part Number	Description	Busbar Size H x W x D in (mm)	Shipping Weight lb (kg)
13622-010	10 (250) SBB	2 x 10 x 1/4 (50 x 250 x 6.4)	3 (1.4)
13622-012	12 (300) SBB	2 x 12 x 1/4 (50 x 300 x 6.4)	4 (1.8)
40153-012	12 (300) PBB	4 x 12 x 1/4 (100 x 300 x 6.4)	7 (3.2)
40153-020	20 (510) PBB	4 x 20 x 1/4 (100 x 510 x 6.4)	8 (3.6)

Note: See details at left for lug sizes and quantities. Overall height with stand-off brackets is 6.63" (168 mm); overall depth is 3.13" (80 mm).



### Standard Busbars

CPI Standard Busbars are insulated ground bus-mounting plates specifically designed for commercial applications. The hard-drawn electrolytic tough pitch 110 alloy solid copper ground bars are 1/4" (6.4 mm) thick and stand off 2.75" (69.9 mm) from the backboard or wall. The 10" (250 mm) Busbar accepts 1/4" single bolt lugs. The 12" and 20" (300 mm and 510 mm) Busbars provide connection for nine or 17 lugs respectively, accepting lugs with either 3/4", 1" or 1-3/4" (19.1 mm, 25 mm or 44.5 mm) center. Any lug with 3/8" bolts may be used.

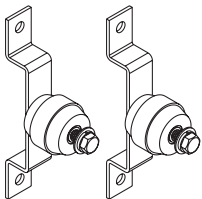
- All Busbars ship individually and preassembled
- Other configurations available on request
- UL Listed, File E236184; Category KDER (US), KDER7 (Canada)

**Each Busbar assembly consists of:**

- (1) Busbar
- (2) insulators
- (2) stand-off brackets
- (4) stainless steel bolts with Torx T-45 head
- Order installation hardware separately

Part Number	Description	Busbar Size H x W x D in (mm)	Shipping Weight lb (kg)
10622-010	Busbar	4 x 10 x 1/4 (100 x 250 x 6.4)	4 (1.8)
10622-012	Busbar	4 x 12 x 1/4 (100 x 300 x 6.4)	5 (2.3)
10622-020	Busbar	4 x 20 x 1/4 (100 x 510 x 6.4)	8 (3.6)

Overall height with stand-off brackets is 6.63" (168 mm); overall depth is 3.13" (80 mm).



Sold in pairs

### Busbar Insulator Assemblies

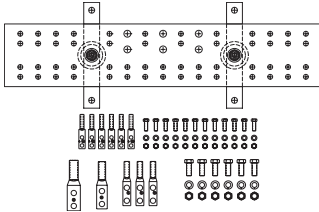
CPI also offers standalone Busbar Insulator Assemblies.

- Ships preassembled
- Replaces CPI P/N 13622-000

**Pair of assemblies consists of:**

- (2) stainless steel bolts, 3/8"W x 5/8"L
- (4) lock washers, 3/8"
- (4) flat washers, 3/8"
- (2) stainless steel bolts, 3/8"W x 3/4"L
- (2) insulators, 1-/34"W x 1-7/8"D, 3/8" threaded insert
- (2) stainless steel wall brackets, 1"W (25 mm), 1" standoff
- Order installation hardware separately

Part Number	Description	Shipping Weight lb (kg)
10622-000	Busbar Insulator Assemblies, 1 Pair	2 (0.9)



## Busbar Assemblies With Lug Kits

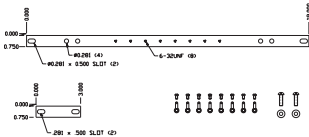
Busbar Assemblies with Lug Kits contain the CPI 13622 series Telecommunications Secondary Bonding (SBB) or the CPI 40153 series Primary Bonding Busbar (PBB), along with required stainless steel hardware to fasten the two-hole bonding lugs to the Busbar.

- #6 lugs are 2-hole lugs with 1/4" hardware
- #2, 2/0 and 4/0 lugs are 2-hole lugs with 3/8" hardware
- Order installation hardware separately
- UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment

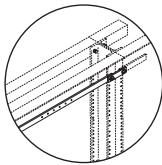
40158-020 Shown

Part Number	Description	Busbar Size H x W x D in (mm)	#2 Lug	#6 Lug	2/0 Lug	4/0 Lug	Shipping Weight lb (kg)
40158-012	SBB Pattern	2 x 12 x 1/4 (50 x 300 x 6.4)	3 each	6 each	1 each	0 each	5 (2.3)
40158-020	PBB Pattern	4 x 20 x 1/4 (100 x 510 x 6.4)	3 each	6 each	1 each	1 each	11 (5.0)
40158-012	PBB Pattern	4 x 12 x 1/4 (100 x 300 x 6.4)	3 each	6 each	1 each	1 each	8 (3.6)

Overall height with stand-off brackets is 6.63" (168 mm); overall depth is 3.13" (80 mm).



19" rack width Busbar shown



Shown mounted to rack

## Horizontal Rack Bonding Busbar

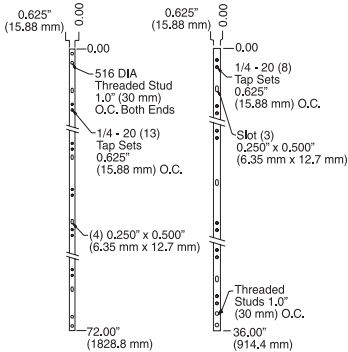
Horizontal Rack Bonding Busbar (RBB) for consolidating equipment bonding conductors. Constructed of 3/16"-thick x 3/4"H (4.763 mm x 19.1 mm) hard-drawn electrolytic tough pitch 110 alloy copper bar with eight #6-32 tapped lug mounting holes on 1" (25.4 mm) centers and two pairs of 5/16" (7.938 mm) diameter holes spaced 3/4" (19.1 mm) apart for attaching equipment bonding conductors.

- Other configurations available on request
- UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment

**Part number consists of Busbar and a hardware kit that includes:**

- (1) splice plate bar, 3"L (80 mm)
- (2) #12-24 copper machine screws
- (2) #12 copper flat washers
- (8) #6-32 copper machine screws
- (8) #6 ring terminals
- Order installation hardware separately

Part Number	Description	Rack Width (in)	Shipping Weight lb (kg)
10610-019	Horizontal Rack Bonding Busbar	19	2 (0.9)
10610-023	Horizontal Rack Bonding Busbar	23	3 (1.4)
10610-035	Horizontal Rack Bonding Busbar	35	4 (1.8)

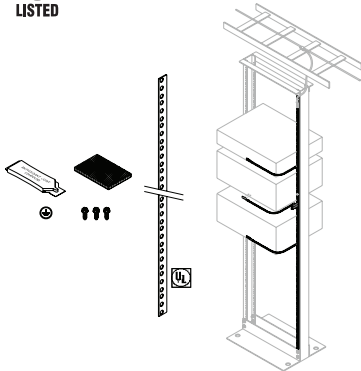


## Vertical Rack Bonding Busbar

Vertical Rack Bonding Busbar (RBB) for consolidating equipment bonding connections. Constructed of 5/8"H x 1/4"W (15.88 mm x 6.4 mm) hard-drawn electrolytic tough pitch 110 alloy copper bar with pairs of #1/4-20 tapped mounting holes on 5/8" (15.88 mm) centers. The 36"L (910 mm) bar has one set of #5/16 self-clinching studs on 1" (25.4 mm) centers at one end for attachment of a bonding conductor. The 72"L (1830 mm) bar has two sets of #5/16 self-clinching studs on 1" (25.4 mm) centers at both ends for attachment of a bonding conductor.

- Each package contains one Vertical Rack Busbar
- Vertical Rack Busbars with insulators and lug kits are also available
- Other configurations are available on request
- UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment

Part Number	Description W x D x L in (mm)	Number of Lugs	Shipping Weight lb (kg)
40160-036	5/8 x 1/4 x 36 (15.88 x 6.4 x 910)	8	4 (1.8)
40160-072	5/8 x 1/4 x 72 (15.88 x 6.4 x 1830)	13	5 (2.3)



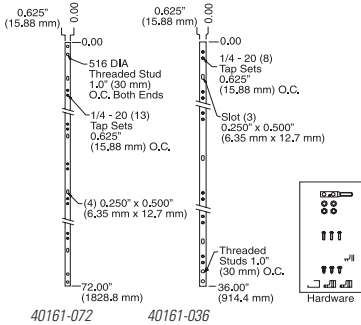
## Vertical Rack Bonding Busbar Kit

The Rack Bonding Busbar (RBB) Kit includes a thin strip of tinned copper that attaches to the rack's equipment mounting rail to provide direct bonding contact for rack-mount equipment or a convenient bonding strip. Sized to fit a 7" (2.1 m) high rack with an EIA-310 Universal hole pattern and 45U, the busbar is punched with a series of holes that align with each mounting hole on the rack. When equipment is mounted to the rack, the rack-mount brackets touch the busbar. Alternately, the Equipment Bonding Jumper Kit can be used to connect equipment to the busbar.

- Each kit includes one ground bar, three #12-24 zinc-plated thread forming hex washer head installation screws, an abrasive pad, joint compound and a ground label
- The ground bar is .05" (1.3 mm) thick tinned copper strip, 78.65"H x .68"W (1997 mm x 17 mm) and is punched with holes that match the EIA-310 Universal Hole Pattern
- UL Listed Ground Bar, File E236184, Category KDER (US), KDER7 (Canada) - Bonding and Grounding Equipment

Part Number	Description	Shipping Weight lb (kg)
40172-001	Vertical Rack Bonding Busbar Kit, For 45U, 7" (2.1 m) Racks	2 (0.9)





## Vertical Rack Bonding Busbar Kits

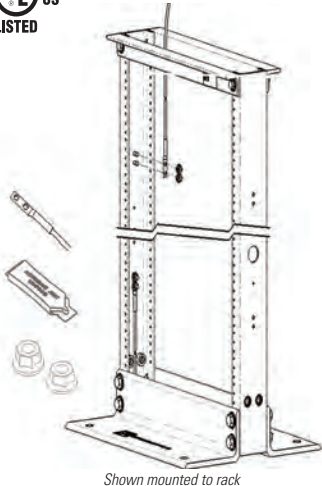
Vertical Rack Bonding Busbar (RBB) Kits isolate the Busbar from the rack to help control current paths from passing through one piece of equipment to another.

- Other configurations are available on request
- UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Bonding and Grounding Equipment
- The 36" L (910 mm) bar has one set of #5/16 self-clinching studs on 1" (25.4 mm) centers at one end for attachment of a equipment bonding conductor. The 72" L (1830 mm) bar has two sets of #5/16 self-clinching studs on 1" (25.4 mm) centers at both ends for attachment of a equipment bonding conductor.

### Kit consists of:

- (1) Vertical Rack Bonding Busbar
- (1) #2 AWG two-hole ground compression lug with 3/8" (9.53 mm) holes on 1" (25.4 mm) centers
- (3) white Delrin® insulator blocks
- (3) self-tapping screws
- (3) #12-24 mounting screws
- (2) stainless steel lock washers, 5/16"
- (2) nuts

Part Number	Description W x D x L in (mm)	Number of Lugs	Shipping Weight lb (kg)
40161-036	5/8 x 1/4 x 36 (15.88 x 6.4 x 910)	6 (2.7)	4 (1.8)
40161-072	5/8 x 1/4 x 72 (15.88 x 6.4 x 1830)	7 (3.2)	5 (2.3)



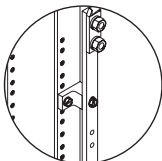
## Rack Bonding Jumper Kit

Rack Bonding Jumper Kits serve as a rack bonding conductor for CPI's Universal and Standard Racks. CPI's Universal Racks include a location for attaching the Rack Bonding Jumper Kit inside the rack's vertical equipment mounting channel. Order additional hardware as required to secure the other end of the jumper to the telecommunications equipment bonding conductor or directly to a telecommunications bonding busbar.

### Kit consists of:

- 9'L (2.7 m) #6 AWG stranded copper conductor insulated green with a horizontal yellow stripe attached to a two-hole compression lug with 1/4" (6.35 mm) bolt holes spaced on 5/8" (15.88 mm) centers
- 1/4-20 zinc plated serrated flange hex nuts
- 0.5 oz (14 g) packet of aluminum antioxidant joint compound
- Constructed of UL Listed components, File E236184, Category KDER (US), KDER7 (Canada) - Bonding and Grounding Equipment
- Available individually or in packages of 10

Part Number	Description	Number of Lugs	Shipping Weight lb (kg)
40159-008	Rack Bonding Jumper Kit, 1 Each	2 (0.9)	4 (1.8)
40159-018	Rack Bonding Jumper Kit, Pack of 10	12 (5.4)	5 (2.3)



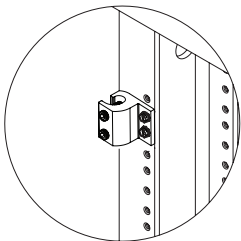
Shown mounted  
between rack and  
Busbar

## Rack Busbar Insulator Block

Rack Busbar Insulator Blocks provide rigid support to physically separate Rack Busbars from all sources of electrical energy. Its offset design securely attaches the Busbar using a #12 self-tapping screw, while allowing unobstructed access to rack-mounted equipment. The Insulator Block has a #12 clearance hole for mounting to the rack.

- Made of durable, nonconductive white Delrin®
- Block measures 3/4" H x 1 1/16" W x 1-1/4" L (19.1 mm x 17.463 mm x 31.8 mm)

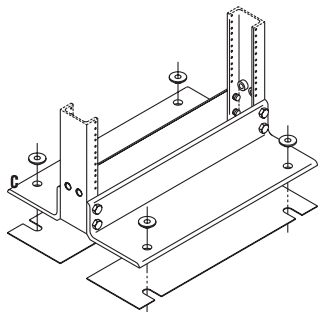
Part Number	Description	Shipping Weight lb (kg)
40157-001	Insulator Block, Each	1 (0.5)
40157-050	Insulator Block, Box of 50	2 (0.9)



## Two Mounting Hole Ground Terminal Block

CPI's Two Mounting Hole Ground Terminal Block provides a convenient way to attach ground wires to racks or cabinets and meets BICSI and ANSI/EIA/TIA two-hole mounting recommendations. Constructed of extruded, highstrength aluminum and accepts conductors ranging from #14 AWG through 2/0. Includes two #3/8-24 x 7/8" L stainless steel hex head set screws.

Part Number	Description	Wire Size	Shipping Weight lb (kg)
40167-001	Two-Hole Block, Each	#14-2/0	1 (0.5)
40167-010	Two-Hole Block, Pack of 10	#14-2/0	10 (5.4)



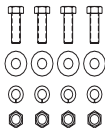
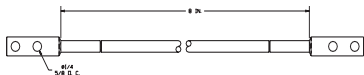
## Rack Base Insulator Kit

Rack Base Insulator Kits electrically isolate the racks from the floor for an effective Bonding and Grounding system. Made of .060" (1.52 mm) thick phenolic insulating material and accepts up to 1/2" diameter screws. Used on concrete floors, not needed for access floor applications.

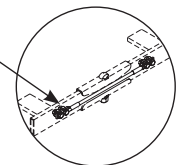
**Kit consists of:**

- (2) isolation plates; (4) isolation grommets

Part Number	Description	Shipping Weight lb (kg)
10605-019	Insulator Kit, 19" Rack	3 (1.4)
10605-023	Insulator Kit, 23" Rack	3 (1.4)



Shown mounted across runway splice point



## Cable Runway Bonding Strap Kit

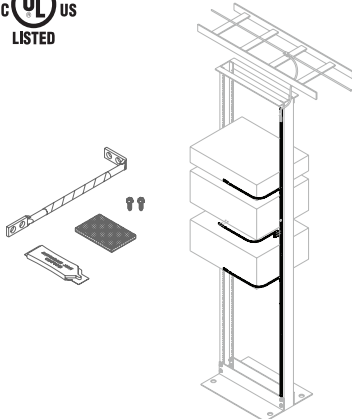
Cable Runway Bonding Strap Kits provide a bonding pathway between cable runway lengths when fastened together across splices. Installation requires drilling 5/16" holes. Bonding Straps consist of an 8" L (200 mm) #6 AWG green insulated stranded copper conductor with a helical yellow stripe attached at both ends to two-hole compression lugs with 1/4" bolt holes spaced on 5/8" (15.88 mm) centers.

- Overall length of 11" (280 mm)
- Available individually or in packages of 25
- Constructed of UL Listed components, File E515394, Category KDER (US), KDER7 (Canada) - Bonding and Grounding Equipment
- Other configurations available on request

### Kit consists of:

- (4) stainless steel cap screws, #1/4-20 x 3/4" L
- (4) flat washers, 1/4"
- (4) lock washers, 1/4"
- (4) nuts, 1/4"

Part Number	Description	Shipping Weight lb (kg)
40164-001	#6 AWG Bonding Strap, Each	1 (0.5)
40164-025	#6 AWG Bonding Straps, Pack of 25	12 (5.0)



## Equipment Bonding Jumper Kit

Use the Equipment Bonding Jumper Kit with the Vertical Rack Busbar Kit to bond rack-mount equipment. The Equipment Bonding Jumper Kit includes a 24" L (710 mm) insulated green/yellow helical stripe #6 AWG bonding conductor with a Slotted Compression Lug on one end and a 90° Slotted Compression Lug on the other end. The 90° Slotted Lug attaches to the busbar, allowing easy alignment with equipment. The Slotted Compression Lug attaches to equipment. The kit includes an abrasive pad, antioxidant joint compound and two installation screws to prepare and secure the jumper to the busbar or ground bar. The installer must provide installation hardware for the lug that attaches to equipment.

- Each kit includes (1) 24" L (710 mm) insulated bonding jumper with attached lugs, (2) plated installation screws, an abrasive pad and joint compound
- The lugs are made from electroplated tinned copper and have (2) mounting holes spaced .5" to .625" apart that accept 1/4" screws
- UL Listed Components, File E236184, Category KDER (US), KDER7 (Canada) - Bonding and Grounding Equipment

Part Number	Description	Shipping Weight lb (kg)
40159-010	Equipment Bonding Jumper Kit	2 (0.9)



### Ground Wire

- Ground Wire is a #6 AWG, 133-strand, green insulated MTW conductor with a yellow helical stripe
- Sold in a 100' (30 m) length on a spool

Part Number	Description	Shipping Weight lb (kg)
40159-001	Ground Wire, #6 AWG, 100 (30) Spool	14 (6.4)



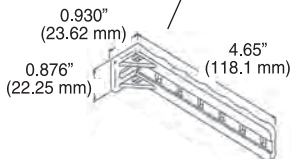
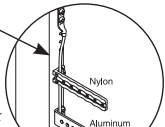
### Bonding Jumper

Bonding Jumpers provide common bonding from equipment rack or cabinet to the Telecommunications Equipment Bonding Conductor. Can be used with CPI "L" Brackets (P/N 10001-001 or 10559-500) to attach cable run vertically along equipment rack or cabinet. Bonding jumpers are constructed of a 9'L (2.7 m) #6 AWG stranded copper conductor insulated green with a horizontal yellow stripe attached to a compression lug with two 1/4" bolt holes spaced on 5/8" centers.

- Available individually or in packages of 10
- Constructed of UL Listed components, File E236184, Category KDER (US), KDER7 (Canada) - Bonding and Grounding Equipment
- Other configurations available on request

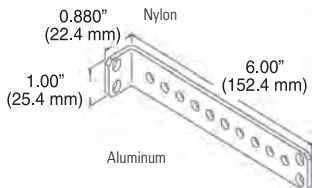
Part Number	Description	Shipping Weight lb (kg)
40159-009	9 (2.7) Green Jumper, Each	2 (0.9)
40159-019	9 (2.7) Green Jumper, Pack of 10	20 (9.1)

Shown mounted on rack



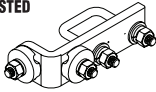
### Stand-Off Tie-Down "L" Brackets

These "L" brackets mount to the back of the rack channel to provide a convenient tie-down point for bonding and grounding cable runs. Available in nonconductive nylon or high-strength aluminum construction. Either end of the aluminum bracket can be attached to the rack or cabinet face, allowing cable run in several different ways.

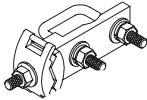
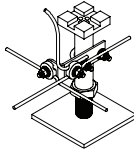


Part Number	Description	Shipping Weight lb (kg)
10001-001	1 x 5 (30 x 130) White Nylon, Each	1 (0.5)
10001-050	1 x 5 (30 x 130) White Nylon, Pack of 50	3 (1.4)
10559-X00	1 x 6 (30 x 150) Aluminum, Each	1 (0.5)
10559-X50	1 x 6 (30 x 150) Aluminum, Pack of 50	3 (1.4)

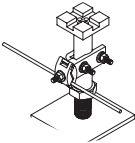
X=Color: 1=Gray, 2=Computer Beige, 5=Clear, 7=Black, E=Glacier White.



Cross Connector



Straight Connector

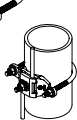
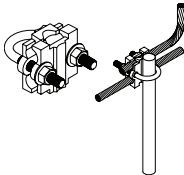


## Pedestal Clamp with Bonding Connector

Support bonding conductors from round or square raised floor pedestals using the Pedestal Clamp with Bonding Connector. The connector provides a bonding connection for the pedestal and supports up to four conductors from the pedestal. Use to create a signal reference grid under the raised access floor using #6 AWG or 2/0 bare round conductor.

- Use Cross Connectors to create signal reference grid intersections; support up to (4) conductors, 2 per side, size #6 AWG or 2/0
- Use Straight Connectors to support the signal reference grid in-between intersections; support 1 or 2 conductors on one side of the pedestal only, size #6 AWG or 2/0
- Manufactured from electroplated copper or bronze (P/N 40169-003) with stainless steel installation hardware
- PNs 40169-001 and 40169-002 are UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Bonding and Grounding Equipment

Part Number	Description	Pedestal Style, Diameter in (mm)	Number and Size of Connectors	Shipping Weight lb (kg)
40169-001	Pedestal Clamp, Cross Connector	Square, 1-1/8 (28) OD	(2) #6 AWG per side	2 (0.9)
40169-002	Pedestal Clamp, Cross Connector	Round, 1-1/8 (28) to 1-3/4 (44) OD	(1) #6 AWG and (1) 2/0 per side	2 (0.9)
40169-003	Pedestal Clamp, Straight Connector	Square or Round, 1-1/8 (28) OD	(2) #6 AWG or (2) 2/0 one side only	2 (0.9)



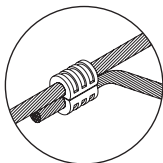
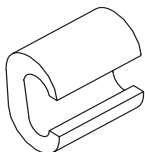
## Pipe Clamp with Bonding Connector

Support bonding conductors from metal pipes of various sizes with the Pipe Clamp. The connector provides a bonding connection for the pipe and supports up to two conductors parallel or perpendicular to the pipe. Select the Pipe Clamp with Bonding Connector to match the size of the pipe.

- UL Listed, File E236184, Category KDER (US), KDER7 (Canada) - Grounding and Bonding Equipment
- Supports 1 or 2 conductors; conductors must be the same size
- Use with conductors ranging in size from #6 up to 250 MCM
- Attach conductors parallel or perpendicular to the pipe
- Manufactured from electroplated tinned bronze with stainless steel hardware

Part Number	Pipe Size / Diameter Ranges	Nominal Size / Outside Diameter	Shipping Weight lb (kg)
40170-001	5-.75 (10-19)	.375-1.7 (9.5-30)	2 (0.9)
40170-002	1-1.25 (30-31.8)	.75-1.7 (19-43)	2 (0.9)
40170-003	1.5-2 (38-50)	1-2.4 (30-61)	2 (0.9)
40170-004	2.5-3 (64-80)	2.25-3.5 (58-89)	2 (0.9)
40170-005	3.5-4 (89-100)	3.2-4.5 (81-114)	2 (0.9)
40170-006	5-6 (130-150)	5.63-6.63 (143-169)	2 (0.9)

Note: P/N 40170-001 supports parallel attachment of only one conductor or perpendicular attachment of two conductors. All other clamps support parallel or perpendicular attachment of two conductors. Conductors must be the same size.



*Shown connecting two copper conductors*

### C-Type Compression Taps

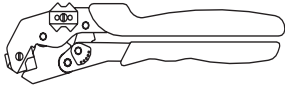
C-Type Compression Taps connect two copper conductors with the use of a hydraulic crimping tool.

- Available individually or in bulk packages
- Other sizes available on request
- UL Listed

Part Number	Tap Description	Run Description	Quantity	Shipping Weight lb (kg)
40163-004	#2 Stranded #2 Solid	#2 Stranded #2 Solid	1	1 (0.5)
40163-054	#2 Stranded #2 Solid	#2 Stranded #2 Solid	50	4 (1.8)
40163-003	#2 Stranded #2 Solid	#4 Stranded #8 Solid	1	1 (0.5)
40163-053	#2 Stranded #2 Solid	#4 Stranded #8 Solid	50	6 (2.7)
40163-002	#4 Stranded #4 Solid	#4 Stranded #6 Solid	1	1 (0.5)
40163-052	#4 Stranded #4 Solid	#4 Stranded #6 Solid	50	3 (1.4)
40163-001	#4 Stranded #6 Solid	#6 Stranded #6 Solid	1	1 (0.5)
40163-051	#4 Stranded #6 Solid	#6 Stranded #6 Solid	50	3 (1.4)
40163-005	2/0 Stranded 1/0 Solid	#2 Stranded #8 Solid	1	1 (0.5)
40163-055	2/0 Stranded 1/0 Solid	#2 Stranded #8 Solid	10	1 (0.5)
40163-007	2/0 Stranded 1/0 Solid	2/0 Stranded 1/0 Solid	1	1 (0.5)
40163-057	2/0 Stranded 1/0 Solid	2/0 Stranded 1/0 Solid	10	1 (0.5)
40163-006	4/0 Stranded 3/0 Solid	#2 Stranded #6 Solid	1	1 (0.5)
40163-056	4/0 Stranded 3/0 Solid	#2 Stranded #6 Solid	10	1 (0.5)
40163-008	4/0 Stranded 3/0 Solid	2/0 Stranded 1/0 Solid	1	1 (0.5)
40163-058	4/0 Stranded 3/0 Solid	2/0 Stranded 1/0 Solid	10	2 (0.9)
40163-009	4/0 Stranded 3/0 Solid	4/0 Stranded 3/0 Solid	1	1 (0.5)
40163-059	4/0 Stranded 3/0 Solid	4/0 Stranded 3/0 Solid	10	2 (0.9)



Compression Tool



Crimp Tool

## Mechanical Compression Tools

Mechanical Compression Tools are used to attach compression lugs and butt splices (not recommended for use with C-Tap connections). The tools feature long steel handles with comfortable rubber grips. The Dieless Compression Tool works with either copper or aluminum conductors. The Crimp Tool comes complete with dies and features extra-long handles for two-handed crimping.

Part Number	Description	Size	Unit	Shipping Weight lb (kg)
40165-001	Compression Tool, Dieless	Copper #8-250 MCS Aluminum #8-4/0	24 (610)	5 (2.3)
40165-002	Crimp Tool	#8-1/0	10.5 (267)	3 (1.4)

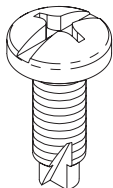


## Compression Lugs

Connect copper or tinned copper conductors to Busbars, racks, cabinets or Cable Runway. Manufactured from electroplated tinned copper conductors

- Available individually or in bulk quantities in 3 styles; Two-Hole, Slotted and 90° Slotted

Part Number	Description	Cable Size	Hole Spacing in (mm)	Hole Size in (mm)	Color Code	Quantity	Shipping Weight lb (kg)
40162-901	Two-Hole Lug	#6	.625 (15.9)	.250 (6.4)	Blue	1	1 (0.5)
40162-951	Two-Hole Lug	#6	.625 (15.9)	.250 (6.4)	Blue	50	2 (0.9)
40162-902	Two-Hole Lug	#6	.750 (19.1)	.375 (9.5)	Blue	1	1 (0.5)
40162-952	Two-Hole Lug	#6	.750 (19.1)	.375 (9.5)	Blue	50	2 (0.9)
40162-903	Two-Hole Lug	#6	1.00 (25.4)	.375 (9.5)	Blue	1	1 (0.5)
40162-953	Two-Hole Lug	#6	1.00 (25.4)	.375 (9.5)	Blue	50	2 (0.9)
40162-904	Two-Hole Lug	#2	.625 (15.9)	.250 (6.4)	Brown	1	1 (0.5)
40162-954	Two-Hole Lug	#2	.625 (15.9)	.250 (6.4)	Brown	25	2 (0.9)
40162-905	Two-Hole Lug	#2	.750 (19.1)	.375 (9.5)	Brown	1	1 (0.5)
40162-955	Two-Hole Lug	#2	.750 (19.1)	.375 (9.5)	Brown	25	2 (0.9)
40162-907	Two-Hole Lug	#2	1.00 (25.4)	.375 (9.5)	Brown	1	1 (0.5)
40162-957	Two-Hole Lug	#2	1.00 (25.4)	.375 (9.5)	Brown	25	2 (0.9)
40162-909	Two-Hole Lug	2/0	1.00 (25.4)	.375 (9.5)	Black	1	1 (0.5)
40162-959	Two-Hole Lug	2/0	1.00 (25.4)	.375 (9.5)	Black	10	2 (0.9)
40162-910	Two-Hole Lug	2/0	1.75 (44.5)	.500 (12.7)	Black	1	2 (0.9)
40162-960	Two-Hole Lug	2/0	1.75 (44.5)	.500 (12.7)	Black	10	2 (0.9)
40162-911	Two-Hole Lug	4/0	1.00 (25.4)	.375 (9.5)	Purple	1	1 (0.5)
40162-961	Two-Hole Lug	4/0	1.00 (25.4)	.375 (9.5)	Purple	10	2 (0.9)
40162-912	Two-Hole Lug	4/0	1.75 (44.5)	.500 (12.7)	Purple	1	1 (0.5)
40162-962	Two-Hole Lug	4/0	1.75 (44.5)	.500 (12.7)	Purple	10	3 (1.4)
40162-913	Slotted Lug	#6	.500 (12.7)/.625 (15.9)	.250 (6.4)	Blue	1	1 (0.5)
40162-963	Slotted Lug	#6	.500 (12.7)/.625 (15.9)	.250 (6.4)	Blue	25	2 (0.9)
40162-914	90° Slotted Lug	#6	.500 (12.7)/.625 (15.9)	.250 (6.4)	Blue	1	1 (0.5)
40162-964	90° Slotted Lug	#6	.500 (12.7)/.625 (15.9)	.250 (6.4)	Blue	25	2 (0.9)

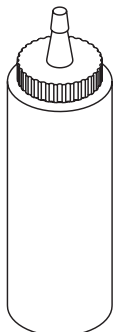


### Clean-Thread Screws

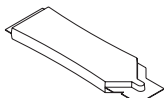
The #12-24 Combination Pan Head, Pilot Point Mounting Screws attach equipment to racks and cabinets. A cutting notch in the thread removes paint in threaded holes to improve metal-to-metal contact. The pilot point reduces cross-threading. The combination head can be used with #3 Phillips and slotted screwdrivers.

- Zinc finish
- Available in packages of 50 and 1,000

Part Number	Description	Unit	Shipping Weight lb (kg)
40605-001	#12-24 Screws	50	1 (0.5)
40605-004	#12-24 Screws	1,000	9 (4.1)
40605-005	#12-24 (Black) Screws	50	1 (0.5)
40605-006	#12-24 (Black) Screws	1,000	9 (4.1)



8 oz (230 g)



.5 oz (14 g)

### Aluminum-To-Aluminum Or Aluminum-To-Copper Antioxidant Joint Compound

Recommended for all aluminum-to-aluminum and aluminum-to-copper connectors, bare conductors, busbars, insulated conductors and conduit threads.

- Zinc finish
- Available in packages of 50 and 1,000

Part Number	Description	Size	Unit	Shipping Weight lb (kg)
40166-101	Antioxidant, Gray	.5 (14)	1	1 (0.5)
40166-801	Antioxidant, Gray	8 (230)	1	1 (0.5)
40166-150	Antioxidant, Gray	.5 (14)	50	2 (0.9)
40166-812	Antioxidant, Gray	8 (230)	12	6 (2.7)

- Oxide inhibiting joint compound is used to improve the electrical conductivity and enhance the integrity of any grounding or bonding connection
- Good for all voltages
- Assures a high-connectivity joint by sealing out air and moisture to prevent corrosion and reformation of oxide film
- Also used as an anti-seizing thread lubricant and ensures continuity of ground on aluminum conduit threads
- Bulk packaging quantities available

### Copper-To-Copper Joint Compound

Recommended for all copper-to-copper connections, copper threads and all mechanical/pressure type bonding and grounding connections.

Part Number	Description	Size	Unit	Shipping Weight lb (kg)
40168-101	Antioxidant, Copper	.5 oz	1	1 (0.5)
40168-801	Antioxidant, Copper	8 oz	1	1 (0.5)
40168-150	Antioxidant, Copper	.5 oz	50	2 (0.9)
40168-812	Antioxidant, Copper	8 oz	12	6 (2.7)



## SECTION 6

# CABLE PATHWAY

Universal Cable Runway .....	6-3
Adjustable Cable Runway .....	6-4
Runway Junction Products .....	6-11
Runway Mounting Products .....	6-15
Runway Accessories .....	6-27



*Learn about CPI's Standard Limited Warranty and Extended Limited Warranties  
See page vii for details*

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# CABLE PATHWAY

Support backbone and horizontal cables between the point of entry and exit into the telecommunications or equipment rooms and cross-connects on racks or cabinets with CPI Cable Pathway Products. A wide selection of supports, splices and accessories are available.

## Where Can I Learn More?

To learn more about CPI's Cable Pathway Products, or to find additional part numbers not listed in this catalog, please visit our website, [chatsworth.com](http://chatsworth.com).

## Related Tools:

Use these tools, under the Resources tab on [chatsworth.com](http://chatsworth.com), to simplify your planning, selection, order and purchase of CPI Cable Pathway Products.

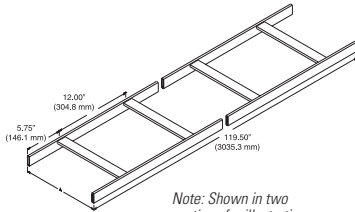
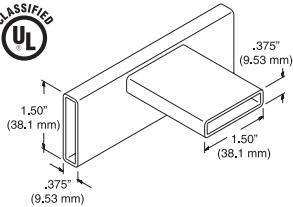
- Visio Shapes
- CAD Blocks
- BIM Drawings
- Cable Fill
- MasterFormat Specs

## Featured Product:

### Adjustable Cable Runway

- Features movable Cross Members for ultimate cable pathway customization
- Supports cable and fiber from floors, ceilings, walls and the tops of cabinets and racks
- Simplifies moves, adds and changes
- Supports tool-less accessories for quick and easy deployment
- Complements other CPI Runway Systems
- Adapts to any data center or computer room





Note: Shown in two sections for illustrative purposes, actual product is one piece.

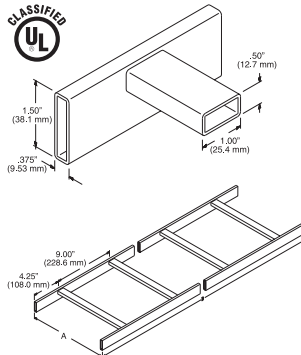
## Universal Cable Runway

Designed for value-conscious customers, the Universal Cable Runway offers the industry-standard features you have come to expect. With the runway supported every 5' (1.5 m), maximum load with minimal deflection is 132 lb/ft (196 kg).

- Made of 3/8" x 1-1/2" x .065" (9.53 mm x 38 mm x 1.65 mm) wall rectangular steel tubing, Cross members welded at 12" (300 mm) intervals
- Standard length is 9'-11 1/2"/119.5" (3035 mm)
- UL Classified for suitability as an equipment bonding conductor only (must remove paint or use ground straps)
- Installation Best Practices includes Runway Elevation Kit

Part Number	Description Width (Dim. A) in (mm)	Shipping Weight lb (kg)
10250-X04	4 (100)	18 (8.2)
10250-X06	6 (150)	19 (8.6)
10250-X09	9 (230)	20 (9.1)
10250-X12	12 (300)	25 (11.3)
10250-X15	15 (380)	27 (12.2)
10250-X18	18 (460)	29 (13.2)
10250-X24	24 (610)	32 (14.5)
10250-X31	30 (760)	35 (15.7)
10250-X37	36 (910)	38 (17.2)

X=finish; 1=Gray, 7=Black, E=Glacier White.



Note: Shown in two sections for illustrative purposes, actual product is one piece.

## UL Classified Cable Runway

Similar in construction to our TELCO-Style Cable Runway (11252 series). The side stringers are 1 1/2" x 3/8" x .065" (38.1 mm x 9.53 mm x 1.65 mm), and the cross members are 1/2" x 1" x .065" (12.7 mm x 30 mm x 1.65 mm), welded at 9" (230 mm) intervals.

- Available in Gold chem finish or Black chem over zinc plating
- UL Classified for suitability (as an equipment grounding conductor only)
- The overall length is 9' 8-1/2"/116.5" (2959 mm) to comply with TELCO-Style standards
- Individually boxed to prevent scratching and damage
- Installation Best Practices includes Runway Elevation Kit

Part Number	Width (Dim. A) in (mm)	Length (Dim. B) in (mm)	Shipping Weight lb (kg)
11275-X06	6 (150)	9' 8-1/2 (2959)	19 (8.6)
11275-X09	9 (230)	9' 8-1/2 (2959)	20 (9.1)
11275-X12	12 (300)	9' 8-1/2 (2959)	22 (10.0)
11275-X15	15 (380)	9' 8-1/2 (2959)	26 (11.8)
11275-X18	18 (460)	9' 8-1/2 (2959)	28 (12.7)
11275-X20	20 (510)	9' 8-1/2 (2959)	29 (13.2)
11275-X24	24 (610)	9' 8-1/2 (2959)	31 (14.1)

X=color over zinc: 0=Gold Chem, 7=Black



Adjustable Runway Cross Members



Highly Adaptable with Tool-less Cable Management Accessories

## Adjustable Cable Runway

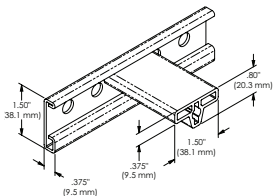
Designed to provide a flexible point-to-point solution anywhere cables enter or exit the cable pathway. The Adjustable Cable Runway features unique, movable Cross Members, which allow components and accessories to be installed at various points along the runway—a feature that simplifies the alignment of cabling above racks, cabinets and cable managers. The Adjustable Cable Runway is cross-compatible with CPI’s Universal (10250), TELCO (11252) and UL Classified (11275) runway, making it an excellent solution for any challenging cabling environment.

### Features:

- Features movable Cross Members for ultimate cable pathway customization
- Supports cable and fiber from floors, ceilings, walls and the tops of cabinets and racks
- Simplifies moves, adds and changes
- Supports tool-less accessories for quick and easy deployment
- Complements other CPI Runway Systems
- Adapts to any data center or computer room
- Ships assembled or unassembled
- Bonded construction

### Specifications:

- Includes roll-formed Stringers with bolted aluminum Cross Members
- 132 lb/ft (196 kg/m) when the runway is supported every 5' (1.5 m)
- For indoor use only, in environmentally controlled areas
- Stringers: 119.5" (3085 mm) high-strength, low-alloy steel with 1: (25 mm) repeating-hole pattern and rounded corners
- Cross Members: 0.80" x 1.5" (20.3 mm x 38 mm) extruded aluminum, T-shaped Cross Members
- Thread-forming screws cut through paint to form electrical bond between Stringers and Cross Members
- Use with CPI Bonding and Grounding products for ANSI/TIA-942-A-B compliance
- Includes: (2) Stringers; (10) Cross Members (20) M8 x 20, TapTite Thread-forming Hexalobular (T40) Screws
- UL Classified for suitability as an equipment bonding conductor only (must remove paint or use ground straps)



Part Number	Adjustable Cable Runway 1.5" H x 119.5" L (38 mm x 3035 mm) Assembled, Width - in(mm)	Shipping Weight lb (kg)
14300-X04	4 (102)	17 (8)
14300-X06	6 (152)	18 (8)
14300-X09	9 (229)	19 (8)
14300-X12	12 (305)	20 (9)
14300-X15	15 (381)	21 (10)
14300-X18	18 (457)	22 (10)
14300-X24	24 (610)	25 (11)
14300-X30	30 (762)	27 (12)
14300-X36	36 (914)	30 (13)

Notes: X= color: 1=Gray, 7=Black, E=Glacier White



## Adjustable Cable Runway Bonding Strap

The Adjustable Cable Runway Bonding Strap provides a bonding pathway between runway lengths. It consists of an 8" L (200 mm) #6 AWG stranded insulated copper conductor and are attached to a two-hole compression lug with 5/16" bolt holes at both ends. Bolt holes are spaced on 1" (25 mm) centers to match hole-to-hole spacing on the Adjustable Cable Stringers.

- Overall length 10.8" (273 mm)
- UL Listed Components
- Hardware includes: (4) Stainless steel cap screws, #5/16-18 x 7/8" L; (4) Flat washers, 5/16", (4) Lock washers, 5/16" and (4) Nuts, 5/16"

Part Number	Description	Shipping Weight lb (kg)
14307-001	Bonding Strap Kit, 10.8" L (273 mm), Each	1 (0.5)
14307-025	Bonding Strap Kit, 10.8" L (273 mm), Pack of 25	25 (11.4)

*Note: Hole-to-hole spacing aligns with prepunched holes on Adjustable Cable Runway Stringers without drilling. Also compatible with all CPI Runway systems.*



Pathway Dividers feature Click Secure Technology

## Tool-less Pathway Dividers

The patented Tool-less Pathway Dividers divide cable runway into multiple pathways to organize cables by media type or destination—a solution that enables technicians to better manage moves, adds and changes. Hinged design opens up to wrap around cross members and features CPI's Click Secure Technology.

- Compatible with all styles of CPI Runway
- Manufactured from polycarbonate/acrylonitrile butadiene styrene (PC/ABS) material
- UL 94-V0 flammability rating for optimum impact and heat resistance
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

Part Number	Description	Shipping Weight lb (kg)
14308-001	6"H (152), Pack of 10, Black	2 (1.0)
14308-002	6"H (152), Pack of 100, Black	15 (7.0)

**PATENTED**



## Tool-less Cross Member Radius Drop

The Tool-less Cross Member Radius Drop is designed for compatibility with 1.5" x 3/8" (38 mm x 9.53 mm) Stringers and installs without the need for tools, mounting directly to the sides of the runway.

- May be positioned over or between the Runway Cross Members
- Use hook-and-loop, along with the tie-down slots to fully deploy the cable support solutions
- Provides 3" (76.2 mm) bend radii; Includes 1.4"H (36 mm), 1" (25 mm) diameter ABS cable spools to separate and guide cables
- Compatible with all styles of CPI Runway
- Manufactured from steel; spools are plastic
- For appropriate fit, match Cross Member Radius Drop width to runway width

Part Number	Description	Shipping Weight lb (kg)
14304-X04	4"W (102), Each, 2 Spools	2 (1.0)
14304-X06	6"W (152), Each, 2 Spools	2 (1.0)
14304-X09	9"W (229), Each, 2 Spools	2 (1.0)
14304-X12	12"W (305), Each, 3 Spools	3 (1.5)
14304-X15	15"W (381), Each, 3 Spools	3 (1.5)
14304-X18	18"W (457), Each, 3 Spools	4 (2.0)
14304-X24	24"W (610), Each, 3 Spools	6 (3.0)
14304-X30	30"W (762), Each, 3 Spools	7 (3.0)
14304-X36	36"W (914), Each, 5 Spools	7 (3.0)

Notes: X=color: 1=Gray, 7=Black, E=Glacier White

**PATENTED**



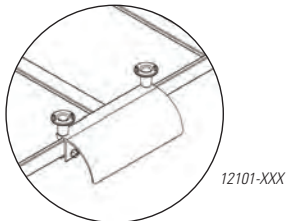
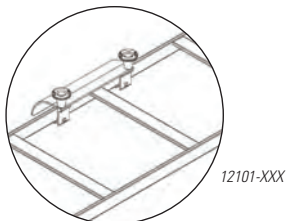
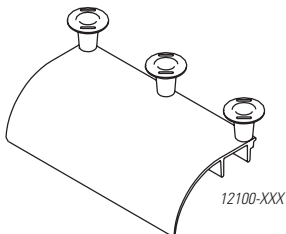
## Tool-less Stringer Radius Drop

The Tool-less Stringer Radius Drop features simple, tool-less installation.

- Use hook-and-loop, along with the tie-down slots to fully deploy the cable support solutions.
- Provides 3" (76.2 mm) bend radii
- Supplied with 1.4"H (36 mm), 1" (25 mm) diameter, cable spools to separate and guide cables
- Unique design slips over the Runway Stringers and clamps in position; fits Runway Stringers that are 1-1/2"H x 3/8"W (38 mm x 9.53 mm)
- Compatible with all CPI Runway systems

Part Number	Description	Shipping Weight lb (kg)
14305-X00	Large, 10.5 (268), Each, 3 Spools	3 (1.0)
14305-X01	Small, 5.5 (140), Each, 2 Spools	2 (1.0)

Notes: X=color: 1=Gray, 7=Black, E=Glacier White



### Cable Runway Radius Drop

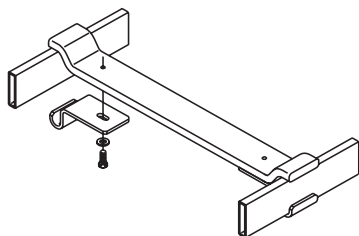
Mounts to the side stringer or cross member of CPI Cable Runway to help maintain proper Category 5e/6/Ba or fiber bend radii.

- Cross Member Radius Drop (P/N 12100-XXX) fits 6", 9", 12" and 18"W (150 mm, 230 mm, 300 mm and 460 mm) cross member tubing on CPI Universal Runway (Series 10250)
- Stringer Radius Drop (P/N 12101-XXX) attaches to the side or straddles the rungs of the runway cross member
- Provides 3" (80 mm) bend radius
- Products 5"W (130 mm), 12100-X06, 12101-X03, drop into CPI's 6"W (150 mm) vertical cabling sections
- Supplied with 1-1/2" (38.1 mm) cable spools (P/N 15003-001) to separate and guide cables
- Sold individually

Part Number	Cable Runway Width - in (mm)	Product Width in (mm)	Cable Spools
<b>Runway Radius Drop, Cross Member</b>			
12100-X06	6 (150)	5 (130)	2 each
12100-X09	9 (230)	8 (200)	2 each
12100-X12	12 (300)	11 (280)	3 each
12100-X18	18 (460)	17 (430)	3 each

Part Number		Runway Application	Product Width in (mm)	Cable Spools
Attaches to Side	Attaches to Side or Ring			
<b>Runway Radius Drop, Stringer, Adjustable</b>				
12101-X01	12101-X11	Universal	10.3 (260)	2 each
12101-X02	12101-X12	Telco	7.8 (197)	2 each
12101-X03	12101-X13	Misc.	5 (130)	3 each

X=color: 1=Gray, 7=Black, E=Glacier White.



### Cable Runway Movable Cross Member

Permits the dropping of cables at any point between cross members of 9", 12" or 18"W (230 mm, 300 mm or 460 mm) Cable Runways. Combine with the recommended Cable Runway Radius Drop.

- Fits on standard Cable Runway only — 1-1/2" x 3/8" stringer (38.1 mm x 9.53 mm)
- Can be used as an attachment point for the Cable Runway Radius Drops listed below
- Easy installation using provided hardware

Part Number	Cable Runway in (mm)	Use with Radius Drop
12115-X09	9 (230)	12100-X06
12115-X12	12 (300)	12100-X09
12115-X18	18 (460)	12100-X12

X=color: 1=Gray, 7=Black, E=Glacier White.



### Tool-less Pathway Dividers

The patented Tool-less Pathway Dividers divide cable runway into multiple pathways to organize cables by media type or destination—a solution that enables technicians to better manage moves, adds and changes. Hinged design opens up to wrap around cross members and features CPI's Click Secure Technology.

- Compatible with all styles of CPI Runway
- Manufactured from polycarbonate/acrylonitrile butadiene styrene (PC/ABS) material
- UL 94-V0 flammability rating for optimum impact and heat resistance
- Sold in packs of 10 and 100; Finish: Black
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)



Pathway Dividers feature Click Secure Technology

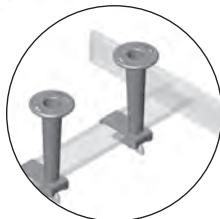
Part Number	Description	Shipping Weight lb (kg)
14308-001	6"H (152), Pack of 10, Black	2 (1.0)
14308-002	6"H (152), Pack of 100, Black	15 (7.0)



### Cable Runway Dividers

Divide Cable Runway into multiple cable pathways in order to organize cables according to media type or destination. By organizing horizontal cables by destination according to route or zone, technicians can better manage cables when additional cables are added, or when the cable path through the building changes due to building renovations.

- Cable spools separate cables into individual pathways for better organization of cables
- Spools have a smooth surface to protect cable jackets from damage during installation or maintenance
- Easy installation with included hardware
- Universal/Trough Style Dividers fit 3/8"H x 1-1/2"W (9.53 mm x 38.1 mm) cross members on CPI Universal or Trough Cable Runway
- TELCO/UL Classified Style Dividers fit 1/2"H x 1"W (13 mm x 30 mm) cross members on CPI TELCO or UL Classified Cable Runway



Part Number	Description	Shipping Weight lb (kg)
<b>Universal or Trough Style Dividers</b>		
13392-X11	Divider, Package of 5	1 (0.5)
13392-X12	Divider, Package of 25	3 (1.4)
<b>TELCO or UL Classified Style Dividers</b>		
13392-X21	Divider, Package of 5	1 (0.5)
13392-X22	Divider, Package of 25	3 (1.4)

X=finish; 7=Black, E=Glacier White. Cable spool is black.



## PatchRack For CPI Cable Runway

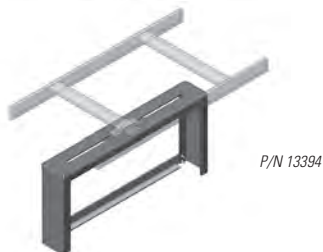
The PatchRack is a miniature two-post rack that can be attached to CPI Cable Runway to save rack-mount space by placing patch panels or interconnect equipment above the rack or cabinet. Use PatchRack to create a zone network in the data center.

Two versions are available; Racks P/N 13395 attach to the Cable Runway side stringer with a 7" D (180 mm) standoff bracket, and Racks P/N 13394 attach to a cross member underneath the Cable Runway. The position of the rack can be adjusted front-to-back or side-to-side. Racks P/N 13395 can also attach perpendicular to Cable Runway that is 12"W (300 mm) or less. Use the Cross Member Hardware Kit P/N 13399-702 for perpendicular mounting of all racks on any width of Cable Runway.

- Attaches to all CPI Cable Runway but optimized for 1-1/2"H x 3/8"W (38.1 mm x 9.53 mm) side stringers or cross members to Universal Cable Runway
- Supports 19"W rack-mount equipment; supports up to 60 lb (27.2 kg)
- Side Stringers (P/N 13395) are compatible with all styles of CPI Runway; Cross Members (P/N 13394) are not compatible with Adjustable Cable Runway



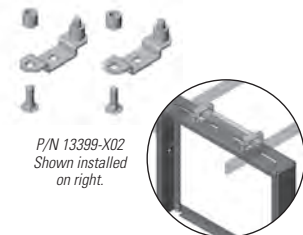
P/N 13395



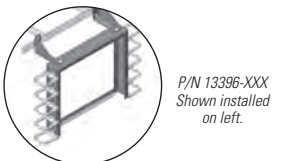
P/N 13394

Part Number	Description	Shipping Weight lb (kg)
13395-X04	With Side Stringer Brackets, 4U	5 (2.3)
13395-X08	With Side Stringer Brackets, 8U	7 (3.2)
13394-X04	With Cross Member Brackets, 4U*	4 (1.8)
13394-X08	With Cross Member Brackets, 8U*	6 (2.7)

*X=*color: 1=Gray, 5=Clear, 7=Black, E=Glacier White. Gray and Black kits include black colored hardware. Does not include Side Stringer Brackets. \*Attaches to Cross Member in parallel orientation only.



P/N 13399-X02  
Shown installed on right.



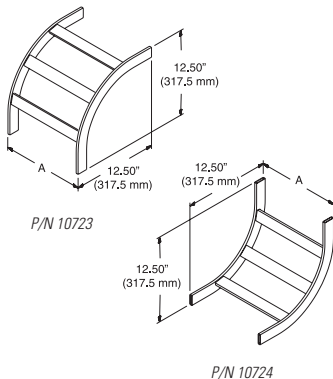
P/N 13396-XXX  
Shown installed on left.

## Accessories For PatchRack

Use Cross Member Hardware Kit for perpendicular mounting on all widths of Cable Runway. The D-Ring Kit provides cable management.

- Not compatible with Adjustable Cable Runway

Part Number	Description	Shipping Weight lb (kg)
13399-702	Cross Member Hardware Kit, Black	1 (0.5)
13396-704	D-Rings for 4U Rack, 6 Rings, Black	2 (0.9)
13396-708	D-Rings for 8U Rack, 10 Rings, Black	2 (0.9)



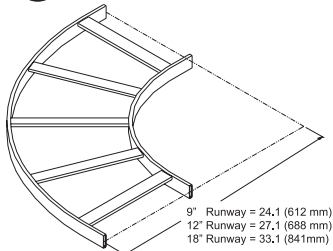
## Cable Runway Radius Bend

Creates a gradual bend for cascading cable runs.

- Made of lightweight 1-1/2" x 3/8" (38.1 mm x 9.53 mm) tubular steel
- Three cross members welded at approximately 23° increments
- Outside/Inside is determined by welding cross members closer to cable side

Part Number 90° Outside Bend	Part Number 90° Inside Bend	Width (Dim. A) in (mm)
10723-X06	10724-X06	6 (150)
10723-X09	10724-X09	9 (230)
10723-X10	10724-X10	10 (250)
10723-X12	10724-X12	12 (300)
10723-X15	10724-X15	15 (380)
10723-X18	10724-X18	18 (460)
10723-X20	10724-X20	20 (510)
10723-X24	10724-X24	24 (610)
10723-X31	10724-X31	30 (760)
10723-X37	10724-X37	36 (910)

X=Color, 0=Gold, 1=Gray, 7=Black, E=Glacier White. Only gold radius bends are UL Classified.



## Cable Runway E-Bend

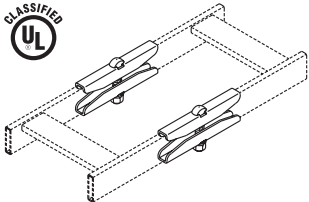
Creates a 90° gradual sweep in horizontal plane for Cable Runway runs. Designed for cabling in conformance with minimum bend radii requirements (typically 4 times the cable diameter). Made of lightweight 1-1/2" x 3/8" (38.1 mm x 9.53 mm) tubular steel to fit standard Cable Runway. Cross members welded at approximately 23° increments.

- Conforms to cable bend radii requirements
- Easy installation using CPI Butt-Splices (P/N 11301-001, not included)

Part Number	Cable Runway Width in (mm)	Width (Dim. B) in (mm)
10822-X06	6 (150)	21.1 (536)
10822-X09	9 (230)	24.1 (612)
10822-X10	10 (250)	25.1 (638)
10822-X12	12 (300)	27.1 (688)
10822-X15	15 (380)	30.1 (765)
10822-X18	18 (460)	33.1 (841)
10822-X20	20 (510)	35.1 (892)
10822-X24	24 (610)	39.1 (993)
10822-X31	30 (760)	45.1 (1146)
10822-X37	36 (910)	51.1 (1298)

X=Color, 0=Gold, 1=Gray, 7=Black, E=Glacier White. Only gold E-Bends are UL Classified.

All part numbers listed on this page are compatible with all styles of CPI Runway.



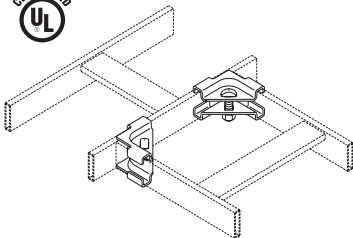
## Butt-Splice Kit

Connect two sections of runway end-to-end. Fits both solid and tubular steel 1-1/2" x 3/8" and 2" x 3/8" (38.1 mm x 9.53 mm and 50.8 mm x 9.53 mm).

- Part numbers are compatible with Adjustable Cable Runway except P/N 11301-X02
- Kit includes:**
- (4) splice plates; (2) 3/8-16 trimmed head bolts; (2) 3/8-16 hex nuts; (2) 3/8" split lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
11301-X01*	Butt-Splice Kit, 1-1/2 x 3/8 (38 x 9.53) Stringer	1 (0.5)
11301-X02*	Butt-Splice Kit, 2 (50.8) Stringer	1 (0.5)
16301-X01*	UL Classified Butt-Splice Kit	1 (0.5)

\*X=color over zinc: 0=Gold, 7=Black. Gold kits include gold colored hardware. Black kits include black colored hardware.



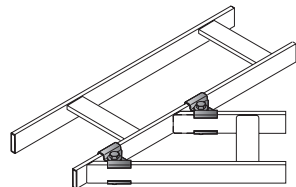
## Junction-Splice Kit

Used to create a 90° junction splice with all types of 1-1/2" x 3/8" or 2" x 3/8" (38.1 mm x 9.53 mm and 50.8 mm x 9.53 mm) Cable Runway.

- Part numbers are compatible with Adjustable Cable Runway except P/N 11302-X02
- Kit includes:**
- (4) corner clamp plates; (2) 3/8-16 x 1 3/8" trimmed head bolts; (2) 3/8-16 hex nuts; (2) 3/8 split lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
11302-X01	Junction-Splice Kit 1-1/2 x 3/8 (38mm x 9.53) Stringer	1 (0.5)
11302-X02	Junction-Splice Kit 2 x 3/8 (50.8 x 9.53) Stringer	1 (0.5)
16302-X01	UL Classified Junction Kit	1 (0.5)

X=color over zinc: 0=Gold, 7=Black



## Adjustable Junction-Splice Kit

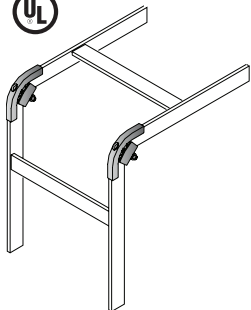
Adjusts to form any junction angle for cabling that requires a large radius bend or to route around existing plumbing, electrical, etc.

- Compatible with Adjustable Cable Runway Kit includes:
- (4) adjustable corner plates; (2) 3/8-16 x 2" hex cap screws; (2) 3/8-16 hex nuts; (2) 3/8 lock washers

Note: Requires one kit to attach one end of cable runway.

Part Number	Description	Shipping Weight lb (kg)
10616-X01	Adjustable Junction Splice Kit	2 (0.9)

X=color over zinc: 0=Gold, 7=Black



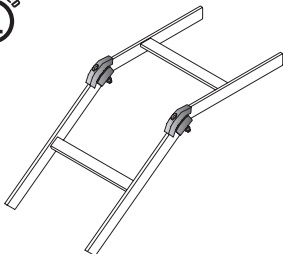
### 90° Runway-Splice Kit

Designed to butt-splice 1-1/2" (38.1 mm) Cable Runway at a 90° angle.

- Compatible with Adjustable Cable Runway Kit includes:
- (2) 90° outside clamps; (2) Inside edge clamps; (2) 3/8-16 trimmed round head, square neck bolts; (2) 3/8-16 hex nuts and lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
11314-X01	90° Runway-Splice Kit, 1-1/2 x 3/8 (38.1 x 9.53) stringer	1 (0.5)
16314-X01	UL Classified 90° Runway-Splice Kit	1 (0.5)

X=color over zinc: 0=Gold, 7=Black



### 45° Runway-Splice Kit

Butt-splices Cable Runway at a 45° angle.

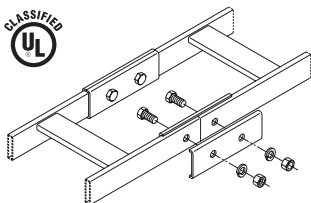
- Compatible with Adjustable Cable Runway

**Kit includes:**

- (2) 45° outside clamps; (2) Inside edge clamps; (2) 3/8-16 trimmed round head, square neck bolts; (2) 3/8-16 hex nuts and lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
11313-X01	45° Runway-Splice Kit, 1-1/2 x 3/8 (38.1 x 9.53) stringer	1 (0.5)
16313-X01	UL Classified 45° Runway-Splice Ki	1 (0.5)

X=color over zinc: 0=Gold, 7=Black



### Heavy-Duty Butt-Splice Kit

For butting two lengths of Runway together. Cable Runway drilling is required.

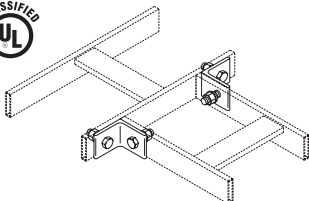
- Bolt through Butt-Splice Kit for earthquake areas
- Not compatible with Adjustable Cable Runway

**Kit includes:**

- (4) splice plates for 1-1/2" stringers; (4) 3/8-16 x 1-1/4" hex cap screws; (4) 3/8-16 hex nuts; (4) 3/8" split lock washers

Part Number	Description	Shipping Weight lb (kg)
11299-X01*	Heavy-Duty Butt-Splice Kit	2 (0.9)
16299-X01*	UL Classified Heavy-Duty Butt-Splice Kit	2 (0.9)

\*X=color over zinc: 0=Gold, 7=Black. Gold kits include gold colored hardware. Black kits include black colored hardware.



## Heavy-Duty Junction-Splice Kit

Bolt-through Junction-Splice Kit for vertical runs or to meet seismic requirements. Cable Runway drilling is required.

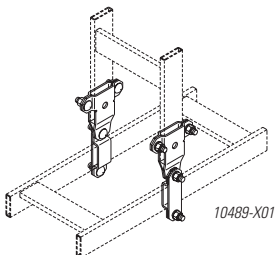
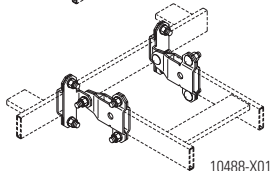
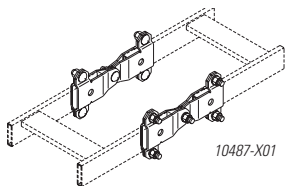
- Material is 2" x 2" x 3/16" (50 mm x 50 mm x 4.763 mm) steel angle
- Not compatible with Adjustable Cable Runway

### Kit includes:

- (2) splice angles; (4) 3/8-16 x 1-1/4" hex cap screws; (4) 3/8-16 hex nuts; (4) 3/8 split lock washers

Part Number	Description	Shipping Weight lb (kg)
11298-X01*	Heavy-Duty Junction Splice	3 (1.4)
16298-X01*	UL Classified Junction Kit	3 (1.4)

\*X=color over zinc: 0=Gold, 7=Black. Gold kits include gold colored hardware. Black kits include black colored hardware.



## Swivel Splice Kits

Splices cable runway vertically, horizontally or perpendicularly. Flexible swivel design adjusts to any angle, not limited to 45° or 90°. Material is steel. Hardware and instructions are included.

- Compatible with Adjustable Cable Runway

### Butt Swivel (10487) Kit includes:

- (8) bracket end; (8) 5/16-18 x 3/4" round head square, neck bolts; (2) 5/16-18 x 1" round head square, neck bolts; (10) 5/16-18 hex nuts, split lock washers

### Junction Swivel (10488) Kit includes:

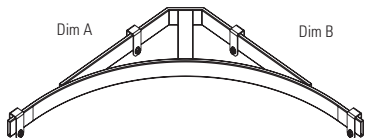
- (4) bracket end; (2) bracket supports and plate clamps; (2) 5/16-18 x 1" round head square, neck bolts; (8) 5/16-18 x 3/4" round head square, neck bolts; (10) 5/16-18 hex nuts, split lock washers

### Vertical Swivel (10489) Kit includes:

- (4) bracket end; (2) bracket clamps and plate clamps; (2) 5/16-18 x 1" round head, square neck bolts; (6) 5/16-18 x 3/4" round head, square neck bolts; (8) 5/16-18 hex nuts, split lock washers

Part Number	Description	Shipping Weight lb (kg)
10487-X01	Butt-Swivel Splice Kit	1 (0.5)
10488-X01	Junction Swivel Splice Kit	1 (0.5)
10489-X01	Vertical Swivel Splice Kit	1 (0.5)
16487-X01	UL Classified Butt Swivel Splice Kit	1 (0.5)
16488-X01	UL Classified Junction Swivel Splice Kit	1 (0.5)
16489-X01	UL Classified Vertical Swivel Splice Kit	1 (0.5)

X=color over zinc: 0=Gold, 7=Black



Dimension	15" W (380 mm) in (mm)	24" W (610 mm) in (mm)
A	15.48 (393.2)	24.13 (612.9)
B	15.48 (393.2)	24.13 (612.9)

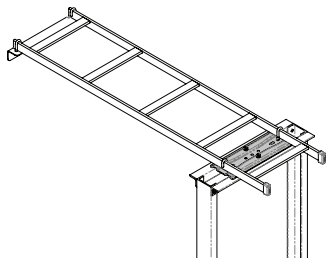
### Cable Runway Corner Bracket

Creates a radius for L, T or X-shaped intersections of Cable Runway formed when two or more pieces of Cable Runway are connected together with the Junction-Splice Kit (P/N 11302 or 16302) or Heavy-Duty Junction-Splice Kit (P/N 11298 or 16298).

- Single-piece welded assembly fabricated from 3/8" x 1-1/2" x .065" (9.53 mm x 38.1 mm x 1.65 mm) wall rectangular steel tubing
- Easy installation; brackets/hardware included
- Compatible with Adjustable Cable Runway

Part Number 15" W (380 mm)	Part Number 24" W (610 mm)	Description
11959-X15	11959-X24	Corner Bracket

X=color over zinc: 0=Gold, 1=Gray, 7=Black, E=Glacier White.



Rack Not Included

### Cable Runway Wall To Rack Kit

The CPI Cable Runway Wall To Rack Kit is a one part number solution to the problem of providing support for cable between the rack and the wall. Kit includes:

- (1) 4' 6" L/54" (1370 mm) Universal Cable Runway; (1) Wall angle support bracket; (1) Rack to runway mounting plate; (1) Pair of end caps; (6) J-bolts

Note: The kit is available with runway that is 6", 9" or 12" W (150 mm, 230 mm or 300 mm). Rack is not included.

Part Number	Description	Shipping Weight lb (kg)
<b>Standard/Universal Racks with 3"D (80 mm) Mounting Channels Width - in (mm)</b>		
11911-X06	6 (150) Cable Runway Wall to Rack Kit	24 (10.9)
11911-X09	9 (230) Cable Runway Wall to Rack Kit	28 (12.7)
11911-X12	12 (300) Cable Runway Wall to Rack Kit	32 (14.5)
<b>Standard Rack with 6"D (150 mm) Mounting Channels Width - in (mm)</b>		
31473-X06	6 (150) Cable Runway Wall to Rack Kit	17 (7.7)
31473-X09	9 (230) Cable Runway Wall to Rack Kit	19 (8.6)
31473-X12	12 (300) Cable Runway Wall to Rack Kit	24 (10.9)

X=color: 1=Gray, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Gray and Black kits have black colored hardware.

### 3" (80 mm) Channel Rack-To-Runway Mounting Plate

Secures Cable Runway to the top of Standard and Universal Racks. Mounts either parallel or perpendicular to the rack. For proper attachment of 6"W (150 mm) Cable Runway, specify a rack with top bars instead of top angles.

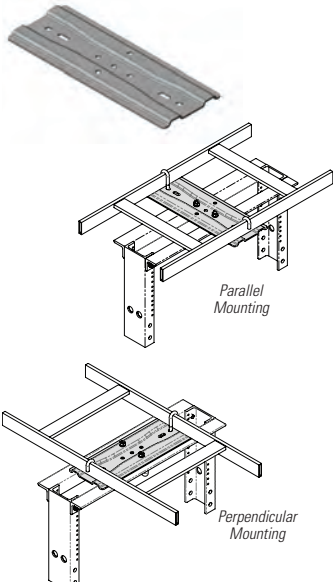
- Installation Best Practices include Runway Elevation Kit (P/N 10506-XXX)

**P/N 10595-XXX consists of:**

- (1) mounting plate; (4) 5/16-18 x 2 1/4" J-bolts ; (4) 5/16-18 hex nuts; (4) 5/16 split lock washers

**P/N 12408-X24 consists of:**

- (1) mounting plate; (2) 5/16-18 x 3 1/4" J-bolts; (2) 5/16-18 x 2 1/4" J-bolts; (4) 5/16-18 hex nuts; (4) 5/16 split lock washers



Part Number	Runway Width in (mm)	Plate Material	Shipping Weight lb (kg)
10595-X04	4 (100)	Steel	4 (1.8)
10595-X08	5 to 8 (130 to 200)	Steel	5 (2.3)
10595-X12	9 to 12 (230 to 300)	Steel	5 (2.3)
10595-X18	15 to 18 (380 to 460)	Steel	7 (3.2)
12408-X24	20 to 24 (510 to 610)	Aluminum	4 (1.8)

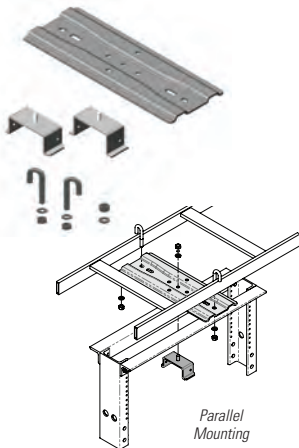
*X=*color (10595): 0=Gold, 1=Gray, 7=Black, E=Glacier White. *X=*color (10408): 1=Gray, 5=Clear, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Gray and Black kits have black colored hardware.

### 3" (80 mm) Channel Rack-To-Runway Mounting Plate With Bracket

Secures Runway to the top of Universal Rack without intruding into mounting space. The combination of the plate and hat-shaped bracket form a clamp around the rack's top angles or top bars. Mounts parallel or perpendicular to the rack. For proper attachment of 6" runway, use top bars (13045 Series) rather than top angles. Installation Best Practices include Runway Elevation Kit (P/N 10506)

**Kit includes:**

- (1) mounting plate; (2) hat-shaped brackets; (2) J-Bolts, 5/16-18 x 2-1/4"; (3) hex nuts, 5/16-18; (3) split lock washers, 5/16"



Part Number	Runway Width in (mm)	Plate Material	Shipping Weight lb (kg)
12730-X04	4 (100)	Steel	4 (1.8)
12730-X08	5 to 8 (130 to 200)	Steel	5 (2.3)
12730-X12	9 to 12 (230 to 300)	Steel	5 (2.3)
12730-X18	15 to 18 (380 to 460)	Steel	7 (3.2)
13730-X24	20 to 24 (510 to 610)	Aluminum	4 (1.8)

*X=*color (12730): 1=Gray, 7=Black, E=Glacier White. *X=*color (13730): 1=Gray, 5=Clear, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Other kits have black colored hardware.

## 6" (150 mm) Channel Rack-To-Runway Mounting Plate

Secures Cable Runway to the top of 6"D (150 mm) Standard Rack. Mounts either parallel or perpendicular to runway.

• Installation Best Practices include Runway Elevation Kit (P/N 10506-XXX)

**P/N 12121-XXX consists of:**      **P/N 12409-X24 consists of:**

- (1) mounting plate
- (4) 5/16-18 x 2 1/4" J-bolts
- (4) 5/16-18 hex nuts
- (4) 5/16 split lock washers
- (1) mounting plate
- (2) 5/16-18 x 3 1/4" J-bolts
- (2) 5/16-18 x 2 1/4" J-bolts
- (4) 5/16-18 hex nuts
- (4) 5/16 split lock washers

Part Number	Runway Width in (mm)	Plate Material	Shipping Weight lb (kg)
12121-X09	5 to 9 (130 to 230)	Steel	5 (2.3)
12121-X12	9 to 12 (230 to 300)	Steel	5 (2.3)
12121-X18	15 to 18 (380 to 460)	Steel	7 (3.2)
12409-X24	20 to 24 (510 to 610)	Aluminum	5 (2.3)

*X=*color (12121): 1=Gray, 7=Black, E=Glacier White. *X=*color (12409): 1=Gray, 5=Clear, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Gray and Black kits have black colored hardware. 12409-X24 adds 1.25" (32 mm) to height of rack.

## 6" (150 mm) Channel Rack-To-Runway Mounting Plate With Bracket

Secures Cable Runway to the top of 6"D (150 mm) Standard Rack without intruding into valuable mounting space. The combination of the flat plate and hat-shaped bracket form a clamp around the rack's top angles or top bars. Mounts either parallel or perpendicular to the runway.

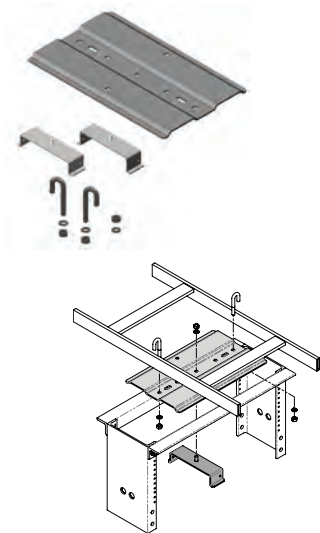
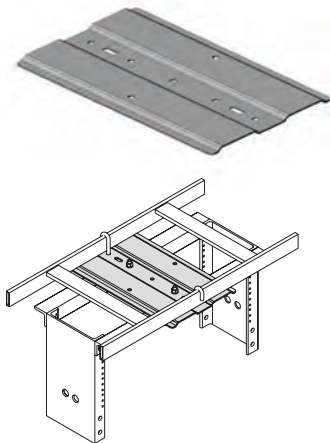
• Installation Best Practices include Runway Elevation Kit (P/N 10506-XXX)

**Kit includes:**

- (1) mounting plates
- (2) hat-shaped bracket
- (2) J-Bolts, 5/16-18 x 2-1/4"
- (3) hex nuts, 5/16-18
- (3) split lock washers, 5/16"

Part Number	Runway Width in (mm)	Plate Material	Shipping Weight lb (kg)
12731-X09	5 to 9 (130 to 230)	Steel	5 (2.3)
12731-X12	9 to 12 (230 to 300)	Steel	5 (2.3)
12731-X18	15 to 18 (380 to 460)	Steel	7 (3.2)
13731-X24	20 to 24 (510 to 610)	Aluminum	5 (2.3)

*X=*color (12731): 1=Gray, 7=Black, E=Glacier White. *X=*color (13731): 1=Gray, 5=Clear, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Gray and Black kits have black colored hardware. 13731-X24 adds 1.25" (32 mm) to height of rack.







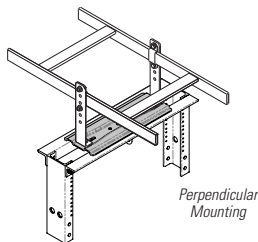
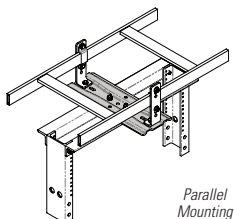
## Cable Pathway Elevation Kits for ZetaFrame® Cabinet

Supports CPI Cable Runway above a continuous row of ZetaFrame Cabinets, providing additional space between the tops of the cabinets and the cable runway and trays.

- Three ranges of incremental elevation.
- Two Tier version supports two levels of cable runway or wire mesh cable tray
- Recommended pathway support span is 5' (1.5 m).
- Attaches to top track of ZetaFrame Cabinet frame. Position pathway front-to-rear on track
- Kit includes (1) pair of elevation brackets, all hardware to attach the brackets to the ZetaFrame Cabinet, and all required hardware to attach Cable Runway to elevation brackets.

Part Number		Description Height in (mm)	Shipping Weight lb (kg)
1 Tier	2 Tier		
60508-X02	60508-X22	2", 2.5", 3"H (50, 64, 75)	3.1 (1.5)
60508-X06	60508-X26	4", 5", 6"H (100, 127, 150)	3.8 (18)
60508-X08	N/A	10", 11", 12"H (250, 280, 300)	5.5 (2.5)

Note: X=Color: 7=Black, E=Glacier White. Shipping weight is for 1 Tier Elevation Kit



P/N 60507-XXX

## Cable Runway Elevation Kit for Racks, and Cabinets

Supports Cable Runway above a continuous row of CPI Racks of varying heights and provides additional space between the tops of the racks or cabinets and the cable runway, which can create smoother transition of cables.

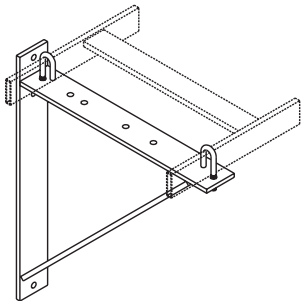
- Three ranges of incremental elevation
- Can be mounted perpendicular or parallel
- Rack kit includes a single pair of brackets and assembly hardware
- Rack kits attach to the top of the rack with a Rack-To-Runway Mounting Plate (P/N 10595 or 12121, sold separately)
- 60507 Series supports two tiers of pathway
- Compatible with Adjustable Cable Runway

Rack	Shipping Weight lb (kg)	Cabinet	Shipping Weight lb (kg)
<b>2", 2.5" or 3"H (50 mm, 64 mm or 80 mm) Elevation</b>			
10506-X02	2 (0.9)	10506-X12	2 (0.9)
<b>4", 5" or 6"H (100 mm, 130 mm or 150 mm) Elevation</b>			
10506-X06	2 (0.9)	10506-X16	4 (1.8)
<b>10", 11" or 12"H (250 mm, 280 mm or 300 mm) Elevation</b>			
10506-X08	3 (1.4)	10506-X18	5 (2.3)

X=Color: 0=Gold, 1=Gray, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Gray and Black kits have black colored hardware.

60507-X02	2"-3"H (50-75 mm), Pair	3.1 (1.5)
60508-X06	4"-6"H (100-150 mm), Pair	3.8 (18)

Note: X=Color: 7=Black, E=Glacier White.



### Triangular Support Bracket, Aluminum

Triangular Support Bracket provides wall support for Cable Runway. Made of 1/4" x 2" (6.4 mm x 50 mm) aluminum bar. Load rating is 100 lb (45.4 kg).

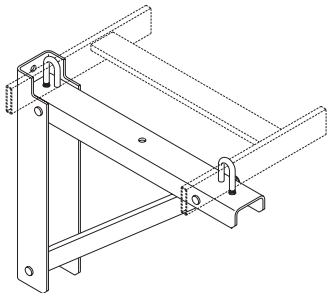
- Compatible with Adjustable Cable Runway

**Kit includes:**

- (1) triangular bracket; (2) 5/16-18 x 2 1/4" J-bolts; (2) 5/16-18 hex nuts & 5/16 lock washers

Part Number	Runway Widths in (mm)	Shipping Weight lb (kg)
11312-X06	4-6 (100 - 150)	2 (0.9)
11312-X12	6-12 (150 - 300)	3 (1.4)
11312-X18	12-18 (300 - 460)	3 (1.4)

X=color: 1=Gray, 7=Black, E=Glacier White.



### Triangular Support Bracket, Steel

Triangular Support Bracket provides wall support for cable runway. Made of cold-rolled steel. Load rating is 400 lb (181.4 kg).

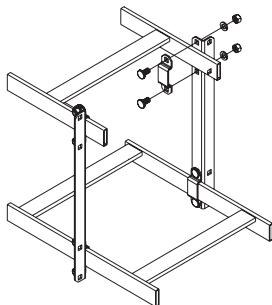
- Compatible with Adjustable Cable Runway

**Kit includes:**

- (1) vertical wall-mounting bracket; (1) runway support channel ; (1) angle support channel; (3) clevis pins (5/16" diameter) & cotter pins; (2) 5/16-18 x 2 1/4" J-bolts; (2) 5/16-18 hex nuts & 5/16 lock washers

Part Number	Runway Widths in (mm)	Shipping Weight lb (kg)
11746-X12	4-12 (100-300)	5 (2.3)
11746-X18	9-18 (230-460)	8 (3.6)
11746-X24	9-24 (230-610)	9 (4.1)

X=color: 0=Gold, 1=Gray, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Gray and Black kits have black colored hardware.



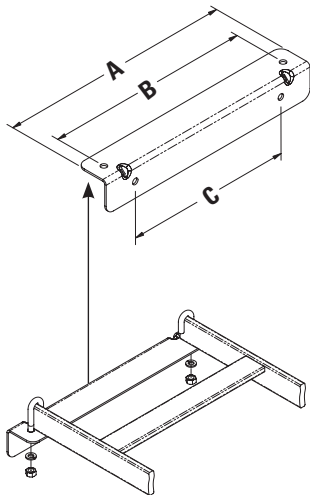
### Cable Runway Standoff Support Kit

Allows the attachment of cable runway 12" (300 mm) directly above and either parallel or perpendicular to existing Cable Runway. Each kit consists of the following items: two steel angle pieces, four steel brackets and eight sets of nuts, bolts and washers. The angle pieces are available in Gray, Computer Beige, Black or Gold finish.

- Compatible with Adjustable Cable Runway

Part Number	Description	Shipping Weight lb (kg)
31470-X12	Standoff Support Kit	1 (0.5)

X=color: 0=Gold, 1=Gray, 7=Black, E=Glacier White. Gold, Glacier White kits has gold-colored hardware. Gray and Black kits have black color hardware.



## Wall Angle Support Kit, Cable Runway

2" x 2" x .105" (50 mm x 50 mm x 2.67 mm) steel support angle is designed for wall-mounting specific widths of Cable Runway.

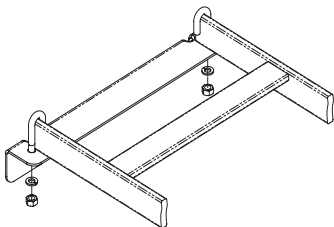
- Compatible with Adjustable Cable Runway

**Kit includes:**

- (1) wall angle; (2) 5/16-18 x 2 1/4" J-bolts ; (2) 5/16-18 hex nuts; (2) 5/16 lock washers

Part Number	Runway Width in (mm)	Dim. A in (mm)	Dim. B in (mm)	Dim. C in (mm)
11421-X04	4 (100)	6 (150)	4.31 (109.5)	4.31 (109.5)
11421-X06	6 (150)	8 (200)	6.31 (160.3)	4 (100.0)
11421-X09	9 (230)	11 (280)	9.31 (236.5)	7 (180.0)
11421-X10	10 (250)	12 (300)	10.21 (261.9)	8 (200.0)
11421-X12	12 (300)	14 (360)	12.31 (312.7)	10 (250.0)
11421-X15	15 (380)	17 (430)	15.31 (388.9)	13 (330.0)
11421-X18	18 (460)	20 (510)	18.31 (465.1)	16 (410.0)
11421-X20	20 (510)	22 (560)	20.31 (515.9)	18 (460.0)
11421-X24	24 (610)	26 (660)	24.31 (617.5)	22 (460.0)
11421-X30	30 (760)	32 (810)	30.31 (769.9)	28 (710.0)

*X=*color: 0=Gold, 1=Gray, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Gray and Black kits have black colored hardware.



## J-Bolt Kit, Cable Runway

To attach Cable Runway to Wall Angle Support, a Wall Support Bracket or to a MegaFrame® Cabinet.

- Compatible with Adjustable Cable Runway

**Kit (wall angle/support) consists of:**

- (2) 5/16-18 x 2-1/4" J-bolts (11431-001)
- (2) 5/16-18 hex nuts
- (2) 5/16 split lock washers

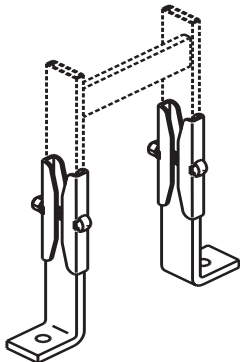
**MegaFrame Kit includes:**

- (4) 5/16-18 x 3-1/4" J-bolts
- (4) 5/16" split lock washers
- (4) 5/16-18 hex nuts



Part Number	Description	Shipping Weight lb (kg)
11308-X01	J-Bolt Kit	1 (0.5)
11308-X05	J-Bolt Kit, MegaFrame	1 (0.5)

*X=*color: 0=Gold, 7=Black



### Foot Kit, Cable Runway

To attach and secure Cable Runway to a wall or floor. Foot made of 3/8" x 1-1/2" x 6" H (9.53 mm x 38 mm x 150 mm) steel.

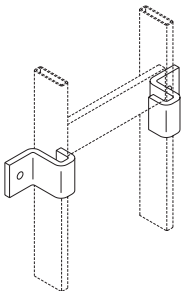
- Compatible with Adjustable Cable Runway

**Kit includes:**

- (2) cable rack feet
- (4) splice plates
- (2) 3/8-16 x 2 1/4" trimmed round head square neck bolts
- (2) 3/8-16 hex nuts
- (2) 3/8" lock washers

Part Number	Description	Shipping Weight lb (kg)
11309-X01	Foot Kit	4 (1.8)

X=color: 0=Gold, 1=Gray, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Gray and Black kits have black colored hardware.



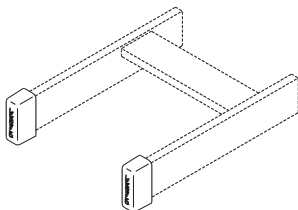
### Vertical Wall Brackets

Used to secure Cable Runway with 1-1/2" x 3/8" (38 mm x 9.53 mm) stringers to a wall. Sold in pairs.

- Compatible with Adjustable Cable Runway
- Material is 1/4" x 1-1/2" (6.4 mm x 33 mm) steel
- Gold color over zinc plating or painted
- Wall mounting hardware not included

Part Number	Description in (mm)	Shipping Weight lb (kg)
10608-X01	Runway Wall Brackets (Pair), Gold	1 (0.5)

X=color: 0=Gold, 7=Black, E=Glacier White.

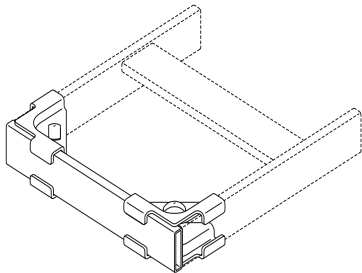


### Protective End Caps for Runway

Covers and protects exposed ends of cable runway and auxiliary framing bar and channel. Reduces chances of personal injury and equipment damage.

- Made of fire-retardant flat black colored rubberized material
- Sold in pairs
- Only P/N 10642-001 is compatible with Adjustable Cable Runway

Part Number	Description in (mm)	Shipping Weight lb (kg)
10642-001	For 1-1/2 x 3/8 (38 x 9.53) Stringer	1 (0.5)
10757-001	For 2 x 3/8 (50 x 9.53) Auxiliary Bar	1 (0.5)



Gold, Computer Beige and Glacier White kits include gold colored hardware. Gray and Black kits include black colored hardware.

## End Closing Kit, Cable Runway

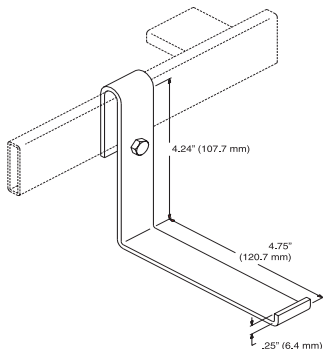
Used to close an unspliced end of Cable Runway. Made of 3/8" x 1-1/2" x .065" (9.53 mm x 38 mm x 1.65 mm) thick rectangular steel tubing.

### Kit includes:

- Compatible with Adjustable Cable Runway
- (1) end closing bar
- (4) corner clamp plates
- (2) 3/8-16 x 1 3/8" trimmed round head square neck bolts
- (2) 3/8-16 hex nuts

Part Number	Description	Shipping Weight lb (kg)
11700-X04	End Closing Kit, Cable Runway	4 (100)
11700-X05	End Closing Kit, Cable Runway	5 (130)
11700-X06	End Closing Kit, Cable Runway	6 (150)
11700-X09	End Closing Kit, Cable Runway	9 (230)
11700-X12	End Closing Kit, Cable Runway	12 (300)
11700-X15	End Closing Kit, Cable Runway	15 (380)
11700-X18	End Closing Kit, Cable Runway	18 (460)
11700-X20	End Closing Kit, Cable Runway	20 (510)
11700-X24	End Closing Kit, Cable Runway	24 (610)

X-color: 0=Gold, 1=Gray, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Gray and Black kits have black colored hardware.



## "L" Bracket, Cable Runway

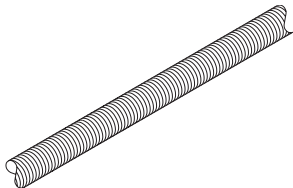
Bracket provides a separate facility for running power conductors or other cables that should be physically separated from main cables.

- Made of 1/8" x 1" (3.18 mm x 30 mm) steel; gold finish/color over zinc plating
- Compatible with Adjustable Cable Runway

### Kit includes (1 each):

- Bracket for 1-1/2" stringer; 1/4-20 x 3/4" hex bolt

Part Number	Description	Shipping Weight lb (kg)
11268-001	"L" Bracket	1 (0.5)

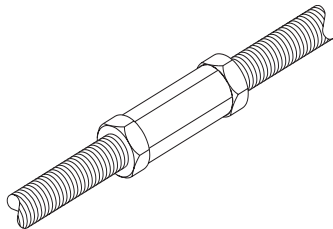


## Threaded Drop Rods

Used to support Cable Runway from ceilings.

- Standard threads, various lengths
- Gold chem film over zinc plate finish

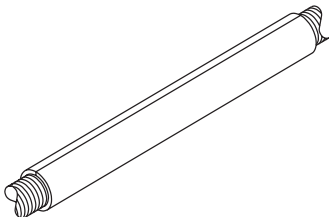
Part Number	Description	Shipping Weight lb (kg)
11440-001	3/8-16 UNC-2A rod, 6'L	2 (0.9)
11440-002	5/8-11 UNC-2A rod, 6'L	5 (2.3)
11440-003	3/8-16 UNC-2A rod, 12'L	5 (2.3)
11440-004	5/8-11 UNC-2A rod, 12'L	10 (4.5)
11440-005	5/8-11 UNC-2A rod, 8'L	7 (3.2)
11440-006	5/8-11 UNC-2A rod, 4'L	4 (1.8)
11440-007	5/8-11 UNC-2A rod, 6"L	1 (0.5)
11440-008	5/8-11 UNC-2A rod, 8"L	1 (0.5)
11440-009	5/8-11 UNC-2A rod, 5.5"L	1 (0.5)
11440-012	5/8-11 UNC-2A rod, 1'L	1 (0.5)
11440-024	5/8-11 UNC-2A rod, 2'L	2 (0.9)
11440-036	5/8-11 UNC-2A rod, 3'L	3 (1.4)



## Threaded Rod Coupling Kit

Used to splice two threaded rods end to end.

Part Number	Description	Shipping Weight lb (kg)
10697-001	For 3/8" Rod	3 (1.4)
10697-002	For 5/8" Rod	3 (1.4)

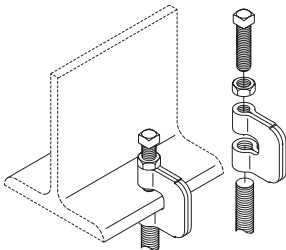


## Threaded Rod Cover

Protects cable from damage during installation.

- Made of plastic PVC tubing. Gray I.D. = 0.630" (16 mm)

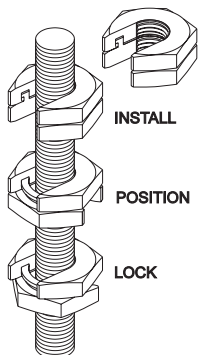
Part Number	Description	Shipping Weight lb (kg)
11085-001	Threaded Rod Cover, 10 (3)	5 (2.3)



## Threaded Rod I-Beam Clamps, Cable Runway

Fastens a 3/8" or 5/8" threaded rod to an I-beam.

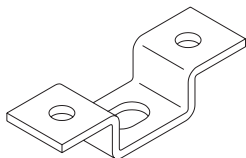
Part Number	Description	Shipping Weight lb (kg)
10557-001	For 3/8"-16 Threaded Rod	3 (1.4)
10557-003	For 5/8"-11 Threaded Rod	3 (1.4)



## Slip-On® Lock Nut

Used to add a nut to threaded rod without having to thread from the end. Zinc plated. Slip-On® is a registered trademark of Slip-On Lock Nut Co.

Part Number	Description	Shipping Weight lb (kg)
03003-001	3/8"-16 Slip-On Lock Nut	1 (0.5)
03003-002	5/8"-11 Slip-On Lock Nut	1 (0.5)
Size in (mm)	Recommended Load - lb (kg)	Recommended Torque
3/8 (10)	2,000 (907.2)	19-25 ft/lb (26 Nm-34 Nm)
5/8 (16)	5,000 (2268.0)	100-120 ft/lb (135.6 Nm-162.7 Nm)

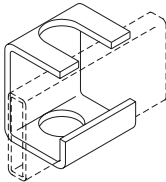


## Ceiling Support Bracket

Used to attach threaded rod to ceiling. Hardware is not included.

- Compatible with Adjustable Cable Runway

Part Number	Description	Shipping Weight lb (kg)
11406-001	3/8" (10 mm) or M10 Rod	1 (0.5)
11406-002	5/8" (16 mm) or M16 Rod	1 (0.5)



## Slotted Support Bracket

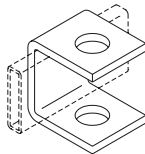
Secures threaded rod to Cable Runway.

- Compatible with Adjustable Cable Runway

**Kit includes:**

- (1) slotted support bracket
- (2) hex nuts
- (2) split lock washers

Part Number	Description in (mm)	Shipping Weight lb (kg)
10607-002	For 3/8" or M10 Rod and 1-1/2 (38) Stringers	1 (0.5)
10607-001	For 5/8" or M16 Rod and 1-1/2 (38) Stringers	1 (0.5)

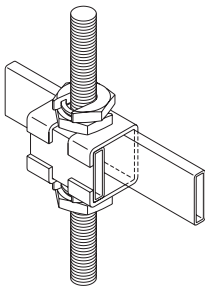


## Runway Support Brackets

Used to attach threaded rod to ceiling. Hardware is not included.

- Compatible with Adjustable Cable Runway

Part Number	Description	Shipping Weight lb (kg)
11408-001	For 3/8" (10 mm) or M10 Rod and 1-1/2 (38) Stringers	1 (0.5)
11408-003	For 5/8" (16 mm) or M16 Rod and 1-1/2 (38) Stringers	1 (0.5)



## Slip-On® Support Bracket, Cable Runway

Provides easy additions of Cable Runway layers to existing cable racks by allowing support brackets and nuts to slip over drop rod.

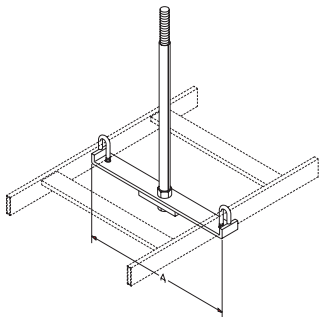
- For use with 5/8" (16 mm) threaded rod only
- Finish is gold over zinc plating
- Compatible with Adjustable Cable Runway

**Kit includes:**

- (2) Slip-On nut
- (1) slotted bracket
- (1) retainer piece
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

Part Number	Description	Shipping Weight lb (kg)
10873-001	Slip-on Support Bracket	1 (0.5)





The Cable Runway Center Support Kit is available in sizes to support 6" to 24" W (150 mm to 610 mm) cable runway. Not included: Threaded Rod (P/N 11440-00X) and Ceiling Support Bracket (P/N 11406-002).

## Cable Runway Center Support Kit

This kit has been designed to make installation of cable runway in the ceiling even easier by using just a single point of attachment. The center attachment design not only makes installation easy, but also provides quick and simple cable routing with no need to thread the cable between the runway supports. The support kit securely attaches to the cable runway stringer, eliminating possible dislocations.

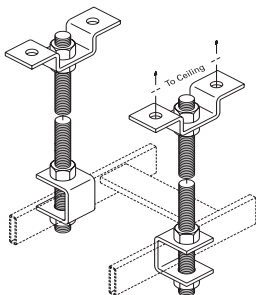
- Made of steel
- Provides an "open" support system with quick and simple cable routing
- Threaded rod cover protects cable insulation from damage
- Compatible with Adjustable Cable Runway

### Kit includes:

- (1) support bracket; (1) reinforcement bar; (2) 5/8-11 hex nuts; (1) 5/8 split lock washers; (1) 12" L (300 mm) threaded rod cover; (1) J-bolt kit (2 J-bolts; 2 nuts; 2 washers)

Part Number	Description Width - in (mm)	Dim. A in (mm)	Shipping Weight lb (kg)
12362-X06	6 (150)	6.56 (166.6)	2 (0.9)
12362-X12	12 (300)	12.56 (319.0)	2 (0.9)
12362-X15	15 (380)	16.20 (411.5)	3 (1.4)
12362-X18	18 (460)	19.20 (487.7)	4 (1.8)
12362-X24	24 (610)	25.20 (640.1)	5 (2.3)

X=color: 0=Gold, 1=Gray, 7=Black, E=Glacier White. Gold and Glacier White kits have gold colored hardware. Gray and Black kits have black colored hardware.



Drawing shows 2 kits

Note: Recommended spacing between ceiling kits is 5" (1.5 m). The ceiling hole diameter for P/N 11310 is .375" (9.5 mm) for 3/8" or M10 rod; .500" (12.7 mm) for 5/8" or M16 rod.

## Threaded Ceiling Kit, Cable Runway

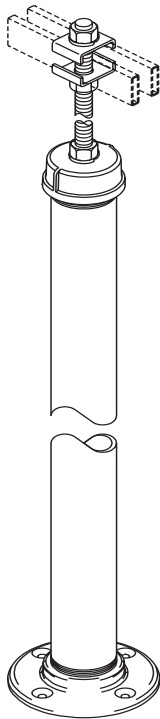
Used to suspend Cable Runway from the ceiling. Material is steel, finished with gold over zinc plating.

- Compatible with Adjustable Cable Runway

### Kit includes:

- (1) ceiling support bracket
- (1) either 3/8-16 x 6', 5/8-11 x 6', M10 x 2M or M16 x 2M threaded rod
- (1) runway support bracket
- (4) either 3/8-16, 5/8-11, M10 or M16 hex nuts

Part Number	Description	Shipping Weight lb (kg)
11310-001	Threaded Ceiling Kit, 3/8" Rod	3 (1.4)
11310-003	Threaded Ceiling Kit, 5/8" Rod	7 (3.2)
11310-093	Threaded Ceiling Kit, M10 x 2M	7 (3.2)
11310-094	Threaded Ceiling Kit, M16 x 2M	7 (3.2)



## Tall Pipe Stand, Cable Runway

Supports auxiliary framing or Cable Runway from the floor.

- Material is steel
- Compatible with Adjustable Cable Runway

### Kit includes:

- (1) floor flange
- (1) appropriate length of 2" (50 mm) pipe
- (1) pipe cap, center drilled and tapped for a 5/8- 11 threaded rod (P/N 11440, not included)
- (3) 5/8-11 hex nuts
- (3) 5/8 split lock washers
- (4) 1/4-20 x 1 1/2" studs
- (4) 1/4-20 concrete anchors
- (4) 1/4-20 hex nuts
- (4) 1/4 Type B washers

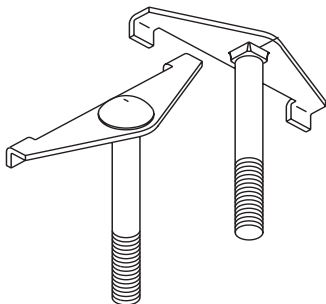
### Installation also requires:

- (1) grid clamp of appropriate width, See P/N 10609
  - (1) 5/8-11 threaded rod of appropriate length, See P/N 11440
- Note: Must be securely mounted to floor with included anchor kit.

Also, in the case of attachment to Cable Runway, you may need to use Runway Support Brackets, series 11408 or 10607.

Part Number	Description in (mm)	Overall Height ft (m)	Shipping Weight lb (kg)
10684-X01	2 x 79 (50 x 2010) Tall Pole	7 (2.1)	16 (7.3)
10684-X02	2 x 85 (50 x 2160) Tall Pole	7.6 (2.3)	18 (8.2)
10684-X03	2 x 91 (50 x 2310) Tall Pole	8 (2.4)	20 (9.1)
10684-X04	2 x 103 (50 x 2620) Tall Pole	9 (2.7)	24 (10.9)

X=color: 1=Gray, 7=Black, Glacier White.



## Spanner Kit, Auxiliary Framing Channel/Cable Runway

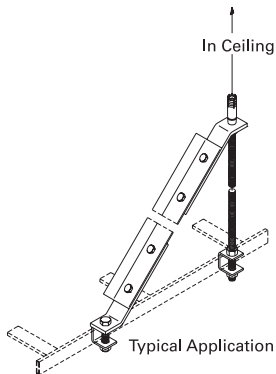
Used to attach Cable Runway to auxiliary framing.

- Gold over zinc plating, sold individually
- Compatible with Adjustable Cable Runway

### Kit includes:

- (1) Spanner Bolt; (1) 1/2-13 split lock washer; (1) 1/2-13 hex nut

Part Number	Description Nominal Size and Length	Shipping Weight lb (kg)
10702-001	1/2-13 x 4-3/8"	1 (0.5)
10702-002	1/2-13 x 4-7/8"	1 (0.5)



## Earthquake Bracing Kits

Stabilizes Cable Runway hung from threaded rods. Material is 2" x 3/8" (50 mm x 9.53 mm) steel with gold over zinc plating.

### Single Kit consists of:

- (2) steel bars (45° angle)
- (4) 1/2-13 x 1 1/4" hex nuts & cap screws
- (4) 1/2" split lock washers

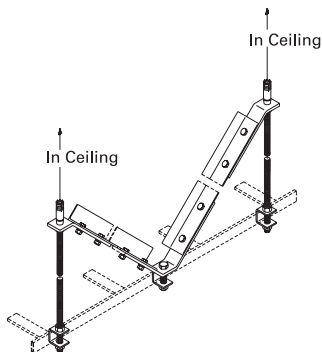
### Double Kit consists of:

- (2) steel bars (45° angle)
- (1) "V" steel bar
- (8) 1/2-13 x 1 1/4" hex cap screws
- (8) 1/2-13 hex nuts
- (8) 1/2" split lock washers

### Installation will require (not included):

- Threaded rod and runway attachment hardware
- (1) 2" x 2" x 3/16" (50 mm x 50 mm x 4.763 mm) steel angle of appropriate length. See P/N 11420 (angle must be trimmed to proper length and drilled during installation)

Part Number	Description	Shipping Weight lb (kg)
10695-001	Single Earthquake Brace	8 (3.6)
10696-001	Double Earthquake Brace	14 (6.4)



### Installation may also require (not included):

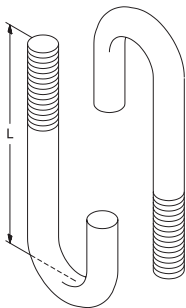
#### For concrete ceiling:

- 5/8-11 concrete anchors
- 5/8-11 x 3 1/2" studs
- 5/8-11 hex nuts
- 5/8" split lock washers

#### For secondary structure:

- 5/8-11 threaded rod
- Grid Clamp Kits
- 5/8-11 hex cap screws
- 5/8-11 hex nuts
- 5/8" split lock washers

*Note: Seismic installation requirements should be approved by a licensed structural engineer.*



## J-Bolts (Hook Bolt, Round Bend), Auxiliary Framing Channel/Cable

Used to bolt Cable Runway (11431 series only), auxiliary framing channels and/or bars together.

- Gold over zinc and black zinc plate finish
- Includes nut and split lock washer
- Commercial grade, kits sold individually
- Only P/N Series 11431-XXX is compatible with Adjustable Cable Runway

Part Number	Nominal Size	Length	Opening	Shipping Weight lb (kg)
11430-X01	1/4-20	1 3/4"	7/32	1 (0.5)
11430-X02	1/4-20	2"	7/32	1 (0.5)
11431-X01	5/16-18	2 1/4"	7/16	1 (0.5)
11431-X02	5/16-18	2 3/4"	7/16	1 (0.5)
11431-X03	5/16-18	3 1/4"	7/16	1 (0.5)
11431-X04	5/16-18	3 3/4"	9/32	1 (0.5)

X=Color: 0=Gold, 7=Black



12 oz (340 g)  
pressurized can

## Touch-Up Paint In Spray Can

Air dry lacquer for touching up finish. Matches color and gloss of CPI's textured paint; air dries to hard finish in minutes.

- Compatible with Adjustable Cable Runway

Part Number	Description oz (g)	Shipping Weight lb (kg)
25400-X00	12 (340) Spray Can	2 (0.9)

X=Color: 1=Gray, 7=Black, E=Glacier White.



1 oz (30 g) bottle  
with applicator

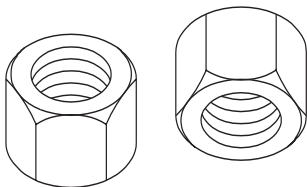
## Touch-Up Paint In Bottle

Air dry waterborne paint for touching up finish. Matches color and gloss of CPI's textured paint.

- Compatible with Adjustable Cable Runway

Part Number	Description oz (g)	Shipping Weight lb (kg)
25401-X00	1 (30) Bottle	2 (0.9)

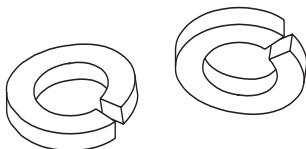
X=Color: 1=Gray, 7=Black, E=Glacier White.



## Hex Nuts

- Zinc plate or gold chem (yellow zinc plate) finish
- Sold in packs of 100

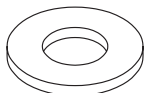
Part Number Pack of 100	Nominal Size	Finish	Shipping Weight lb (kg)
20142-171	1/4-20	Gold	1 (0.5)
20017-171	1/4-20	Zinc Plated	1 (0.5)
20142-181	5/16-18	Gold	1 (0.5)
20017-181	5/16-18	Zinc Plated	1 (0.5)
20142-191	3/8-16	Gold	2 (0.9)
20017-191	3/8-16	Zinc Plated	2 (0.9)
03001-101	1/2-13	Gold	4 (1.7)
20142-121	5/8-11	Gold	7 (3.3)



## Split Lock Washers

- Zinc plate or gold chem (yellow zinc plate) finish
- Sold in packs of 100

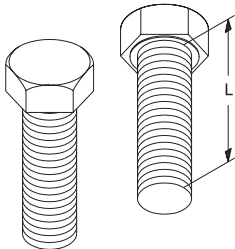
Part Number Pack of 100	Nominal Size	Finish	Shipping Weight lb (kg)
04003-102	1/4"	Gold	1 (0.5)
20015-170	1/4"	Zinc Plated	1 (0.5)
20141-180	5/16"	Gold	1 (0.5)
20015-180	5/16"	Zinc Plated	1 (0.5)
20141-190	3/8"	Gold	1 (0.5)
20015-190	3/8"	Zinc Plated	1 (0.5)
20141-110	1/2"	Gold	1 (0.5)
04003-101	5/8"	Gold	1 (0.5)



## Washers: Type A Plain

- Zinc plate or gold chem (yellow zinc plate) finish
- Sold in packs of 100

Part Number Pack of 100	Nominal Size	Finish	Shipping Weight lb (kg)
20283-112	5/16" Wide	Zinc Plated	1 (0.5)
04002-102	3/8" Wide	Gold	1 (0.5)
20283-113	3/8" Narrow	Zinc Plated	1 (0.5)
04002-101	5/8" Wide	Gold	1 (0.5)
20283-122	5/8" Wide	Zinc Plated	1 (0.5)



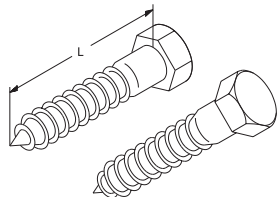
## Hex Cap Bolts

Also called Washer Faced Hex Cap Screws.

- Commercial grade
- Zinc plate or gold chem (yellow zinc plate) finish
- Sold in packs (quantities vary)

Part Number (Pack)	Nominal Size	Length	Finish	Pack Qty	Shipping Weight lb (kg)
20290-106	1/4-20	3/4"	Zinc Plated	100	2 (0.8)
20290-118	1/4-20	2-1/4"	Zinc Plated	100	4 (1.8)
20290-216	5/16-18	2"	Zinc Plated	100	6 (2.5)
20290-307	3/8-16	7/8"	Zinc Plated	100	5 (2.1)
02004-101	3/8-16	1-1/4"	Gold	100	6 (2.5)
02004-102	1/4-20	1-1/4"	Gold	100	3 (1.1)
02004-103	1/2-13	1-1/2"	Gold	100	12 (5.3)
02004-104	3/8-16	1-1/2"	Gold	100	6 (2.5)
02004-105	1/2-13	1-3/4"	Gold	100	13 (5.9)
02004-056	5/8-11	1-1/4"	Gold	50	9 (3.9)
02004-057	5/8-11	3-1/4"	Gold	25	8 (3.8)

Note: Shipping weights are for Pack Quantity. Please note pack quantity column.



## Hex Lag Screw

Used to install racks onto wood or other soft surfaces.

- Gold chem (yellow zinc plate) over zinc plate finish
- Sold in packs (quantities vary)

Part Number (Pack)	Nominal Size	Length	Pack Qty	Shipping Weight lb (kg)
02006-051	1/2-6	2"	50	6 (2.6)
02006-052	5/8-5	2"	50	11 (4.8)
02007-104	1/4-10	2"	100	3 (1.4)
20098-132	3/8-7	2"	100	7 (3.0)

Note: Shipping weights are for Pack Quantity. Please note pack quantity column.

## SECTION 7

# INDUSTRIAL NEMA ENCLOSURES

### Edge and Industrial

RMR® Modular Enclosure .....	7-3
RMR Swing Wall-Mount Enclosure .....	7-12
RMR Fixed Wall-Mount Enclosure .....	7-14
RMR Standard Wall-Mount Enclosure ....	7-20
RMR Floor-Mount Enclosure .....	7-25
RMR Free-Standing Enclosure .....	7-27
Accessories .....	7-31



*Learn about CPI's Standard Limited Warranty and Extended Limited Warranties  
See page vii for details*

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# INDUSTRIAL NEMA ENCLOSURES

## Edge and Industrial

Use Industrial NEMA Enclosures to support and protect your information and communications technology equipment for IT Edge deployments and industrial automation applications or digital augmentation.

CPI offers a wide range of standard or customized solutions of environmentally rated NEMA Type 12 / IP 55 or NEMA Type 4 / IP 66 industrial enclosures that protect equipment from dust and dripping non-corrosive liquids in industrial spaces.

Enclosures are available in multiple sizes and designs with various levels of protection against particulate and liquid penetration and can attach to the machine or architectural structure. CPI offers a complete solution of enclosures for indoor or outdoor spaces with a range of accessories for cable, power and thermal management, and remote monitoring.

## Where Can I Learn More?

To learn more about CPI's Industrial NEMA Enclosures, or to find additional part numbers not listed in this catalog, please visit our website, [chatsworth.com](http://chatsworth.com).

## Related Tools:

Use these tools, under the Resources tab on [chatsworth.com](http://chatsworth.com), to simplify your planning, selection, order and purchase of CPI's Industrial NEMA Enclosures.

- Product Designer

*Notice: All RMR part numbers are custom designs. All CPI part numbers starting with RM and A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, and A13) are Non-Returnable and Non-Cancelable.*

*All non-CPI branded products that are resold through CPI carry the original manufacturer's warranty, if any. All such warranty claims must be submitted directly to the original manufacturer in accordance with the terms of such warranty, if any.*

*Cooling (A/C) units carry the original manufacturer's warranty. If support is required, the customer should contact the cooling unit manufacturer's technical support. The cooling units have product identifying information and contact information printed on the label on the exterior of the cooling unit. It is recommended that the Customer register the Cooling unit with the Original Manufacturer by scanning the QR code on the unit's label. Please contact CPI Customer Service for assistance in contacting the cooling unit manufacturer, if necessary.*







### Cabinet Includes:

- (1) Modular enclosure frame
- (4) Equipment mounting rails or (1) Equipment mounting plate
- (1) Top Panel
- (2) Side Panels
- (1) Front Door
- (1) Rear Door or Fixed Rear Panel
- (1) Bottom Panel
- Optional Filter Fan or Cooling Unit

## RMR® Modular Enclosure

RMR Modular Enclosure is an advanced NEMA12 Intermediate Distribution Frame (IDF)/Factory Edge enclosure engineered to protect equipment with cutting-edge sealing technology, certified ingress protection ratings, and multiple equipment mounting options to support IT equipment, automation electronics and electrical controls and instrumentation in nonhazardous indoor locations. Multiple RMR Modular Enclosures can be bayed together creating a multi-compartment modular enclosure system.

The RMR Modular Enclosure features a welded, roll-formed frame that is punched with attachment points on all interior surfaces to support an array of panel and equipment installations. The frame may be outfitted with a variety of mounting plates or 19" EIA (482.6 mm) wide equipment rails. Mounting plates are available in quarter-, half- and full-height options.

- Provides equipment with NEMA Type 12 and IP 55 rated protection against ingress of solid foreign objects and dripping noncorrosive liquids, using advanced formed-in-place foam gasket technology at each panel and cable entry point
- Supports airflow and cooling options specially certified for industrial applications to maintain equipment cooling requirements outside of normal IT settings and equipment rooms
- Features unique drop-in frame attachment hardware, allowing quick and secure mounting of plates, rails and accessories at any point along the frame
- Allows a complete enclosure solution to be configured under a single part number, including the exact size frame, mounting system, doors, panel work and ventilation that you require
- Available with factory modifications –change size or color, and add openings for connections, controls and HMI

### Cabinet Specifications:

- Heights:
  - 24U, 47.2" (1200 mm)
  - 42U, 78.7" (2000 mm)
  - 45U, 82.7" (2100 mm)
  - 47U, 86.6" (2200 mm)
- Widths: 23.6" (600 mm) and 31.5" (800 mm)
- Depths: 23.6" (600 mm), 31.5" (800 mm), 39.4" (1000 mm) and 47.2" (1200 mm)
- Equipment Space 19" EIA (482.6 mm) Equipment Mounting Rails (2 pairs) or (1) Full-Height Rear Mounting
- Frame:
  - Welded, roll-formed steel frame; modular construction
  - Punched with attachment pattern, 0.98" (25 mm) increments
  - Drop-in attachment hardware provides quick, secure, bonded accessory

### Certifications:

- NEMA Type 12 and IEC 60529, IP 55

All Enclosures are:

- UL Listed, Industrial Control Panel Enclosures, Type 12, File Number NITW.E473128
- UL Listed, Industrial Control Panel Enclosures for Canada, Type 12, File NITW7. E473128

Enclosures without filter fans or air conditioners are:

- UL Classified, Degrees of Protection by Enclosures Certified to IEC Publication, EOFI.E486325
- RoHS, REACH

# RMR® MODULAR ENCLOSURE

Use the part number matrix below to configure a RMR Modular Enclosure. Choose the **Height**, **Width**, **Depth**, **FR**ame Style, **FR**ont Door, **RR**ear Door, **SD** Side Panel, **L**atch, **C**olor, **B**ottom Panel and **T**op Panel. **Example Cabinet Part Number: A1-11AA-1121-G11.**

A	1	-	H	W	D	FR	-	FD	RD	SP	L	-	C	BP	TP
<b>1. Type</b>															
Modular		1													
<b>2. Height</b>															
<b>U</b>	<b>in</b>	<b>mm</b>													
24	47.2	1200	1												
42	78.7	2000	2												
45	82.7	2100	3												
47	86.6	2200	4												
<b>3. Width</b>															
<b>in</b>	<b>mm</b>														
23.6	600	1													
31.5	800	2													
<b>4. Depth</b>															
<b>in</b>	<b>mm</b>														
23.6	600	A													
31.5	800	B													
39.4	1000	C													
47.2	1200	D													
<b>5. Frame Style</b>															
Multi-Mount (Square-Punched) Rails, 2 Pair, 19" EIA (482.6 mm)														A	
Multi-Mount (Square-Punched) Rails, 2 Pair, 19" EIA (482.6 mm) with Front-To-Rear Horizontal Support Slides														B	
Full-Height Mounting Plate Assembly with Lower Support Rails														C	
<b>6. Front Door</b>															
Single Solid Metal Door														1	
Single Metal Door with Window														2	
Intake Door Assembly with Filter Fan, 7" (177 mm), 65 CFM (110 CMH), 115 VAC														3	
Intake Door Assembly with Filter, 7" (177 mm)														4	
Intake Door Assembly with Filter Fan, 11.5" (291 mm), 560 CFM (351 CMH), 115 VAC														5	
Intake Door Assembly with Filter, 11.5" (291 mm)														6	
Intake Door Assembly with Filter Fan, 7" (177 mm), 65 CFM (110 CMH), 230 VAC														7	
Intake Door Assembly with Filter Fan, 11.5" (291 mm), 560 CFM (951 CMH), 230 VAC														8	
AC Door Assembly with Cooling Unit, 3000-4000 Btu/hr (879-1172 W), 115 VAC														9	
<b>7. Rear Door</b>															
Single-Sided Metal Door														1	
Fixed Rear Metal Panel (no hinges, no latch)														2	
Exhaust Door Assembly with Filter Fan, 7" (177 mm), 65 CFM (110 CMH), 115 VAC														3	
Exhaust Door Assembly with Filter Fan, 11.5" (291 mm), 560 CFM (951 CMH), 115 VAC														4	
Exhaust Door Assembly with Filter Fan, 7" (177 mm), 65 CFM (110 CMH), 230 VAC														5	
Exhaust Door Assembly with Filter Fan, 11.5" (291 mm), 560 CFM (951 CMH), 230 VAC														6	
Exhaust Door Assembly with Filter, 7" (177 mm)														7	
Exhaust Door Assembly with Filter, 11.5" (291 mm)														8	
<b>8. Side Panels</b>															
None														0	
Single Solid Side Panel Assembly, (Qty. 1)														1	
Single Metal Side Panel Assembly, (Qty. 2)														2	
Intake Side Panel Assembly with Filter Fan, 7" (177 mm), 65 CFM (110 CMH), 115 VAC; Right. Exhaust Side Panel Assembly with Filter, 7" (177 mm); Left														3	
Intake Side Panel Assembly with Filter Fan, 11.5" (291 mm), 560 CFM (951 CMH), 115 VAC; Right. Exhaust Side Panel Assembly with Filter, 11.5" (291 mm); Left														4	
Intake Side Panel Assembly with Filter Fan, 7" (177 mm), 65 CFM (110 CMH), 230 VAC; Right. Exhaust Side Panel Assembly with Filter, 7" (177 mm); Left														5	
Intake Side Panel Assembly with Filter Fan, 11.5" (291 mm), 560 CFM (951 CMH), 230 VAC; Right. Exhaust Side Panel Assembly with Filter, 11.5" (291 mm); Left														6	
AC Side Panel Assembly with Cooling Unit, 5000-7000 Btu/hr (1465-2051 W), 115 VAC; Right. Single Metal Side Panel Assembly; Left														7	
Intake Side Panel Assembly with Filter, 11.5" (291 mm); Right. Intake Side Panel Assembly with Filter, 11.5" (291 mm); Left, Use with Top Panel Fan														8	
<b>9. Latch</b>															
Double Bit Latch Assembly														1	
T Handle Latch Assembly with CH751 Keyed Lock														2	
<b>10. Color</b>															
Black														C	
Hammer Gray RAL 7035														G	
<b>11. Bottom Panel</b>															
Solid Bottom														1	
With Removable Gland Plates														2	
<b>12. Top Panel</b>															
Solid Metal Panel														1	
Gland Panel														2	
Exhaust Panel with Filter Fan 11.5" (291 mm), 441 CFM (749 CHM), 115 VAC														3	

## Specifications/Ordering Notes:

1. Height, Widths, Depths: See tables below for detailed dimensions.
6. Front Doors: Intake Filter Fans and Intake Filters are located on the bottom half of the door, Cooling Unit is centered on the door. When using fans, there should be one intake and one exhaust of the same size. Recommended configuration is intake filter fan and exhaust filter. If Intake Door Assembly is selected for the Front Door, select an Exhaust Door Assembly for the Rear Door with the same size Filter or Filter Fan. If AC Door Assembly is selected, select a Solid Metal Door or a Fixed Rear Metal Panel for the Rear Door and Metal Side Panel Assemblies.
7. Rear Doors: Exhaust Filter Fans and Filters are located on the top half of the door. When using fans, there should be one intake and one exhaust of the same size. Recommended configuration is intake filter fan and exhaust filter. If an Exhaust Door Assembly is selected for the Rear Door, select an Intake Door Assembly for the Front Door with the same size filter or filter fan.
8. Side Panels: Omit Side Panels when buying cabinets. Use Side Panel Assemblies with Filter Fans or Cooling Units with solid front and rear doors. Use Side Panel Assembly with Filters only with Top Panel Fan Kit.

For the full line of enclosure configurations, use the RMR Product Designer at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



## Equipment Mounting Rails

Equipment Mounting Rails attach directly to frame of the enclosure or to optional front-to-rear horizontal support slides, and support 19" EIA (482.6 mm) rack-mount equipment. Equipment Mounting Rails can be ordered with the enclosure.

- Adjustable-depth, support 19" EIA (482.6 mm) rack-mount equipment
- Universal (vertical) hole pattern, 1U are 1.75" H (44.45 mm)
- U are marked and numbered on the mounting rail
- 12-24 tapped for screws or multi-mount (square-punched) for cage nuts
- Electrically bonded to the enclosure frame
- Optional Front-to-Rear Horizontal Slides available (includes six slides)

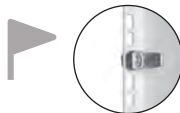
### Multi-Mount (Square Punched) Rails for RMR Modular Enclosure

Part Number Width - in (mm)		Enclosure Height in (mm)	Rack-Mount Spaces (U)	Shipping Weight lb (kg)
23.6 (600)	31.5 (800)			
37771-X01	37772-X01	47.2 (1200)	24	19 (8.7)
37771-X03	37772-X03	78.7 (2000)	42	30 (13.7)
37771-X04	37772-X04	82.7 (2100)	45	31 (14.1)
37771-X05	37772-X05	86.6 (2200)	47	33 (15.0)

### Tapped #12-24 Equipment Rails for RMR Modular Enclosure

Part Number Width - in (mm)		Enclosure Height in (mm)	Rack-Mount Spaces (U)	Shipping Weight lb (kg)
23.6 (600)	31.5 (800)			
37774-X01	37775-X01	47.2 (1200)	24	20 (9.1)
37774-X03	37775-X03	78.7 (2000)	42	31 (14.1)
37774-X04	37775-X04	82.7 (2100)	45	32 (14.6)
37774-X05	37775-X05	86.6 (2200)	47	33 (15.0)

*X=Color: C=Black, G=Hammer Gray. Shipping weight is for 800 mm wide models.*

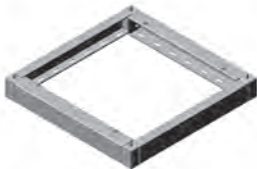


*Clik-Nut® cage nuts make installation time quick and easy.  
Go to page 1-38 for ordering information.*

## Enclosure Plinth Base

Plinth Base is a structural steel mounting base that creates a lift, which can be used to service and route cables through the bottom panel of the enclosure.

- 4" H (100 mm) or 8" H (200 mm) lift options
- Features kick plates that surround the base of the enclosure
- Includes: Metal structure and assembly hardware



Part Number Plinth Height - in (mm)		Width in (mm)	Depth in (mm)	Shipping Weight lb (kg)
4 (100)	8 (200)			
37830-X03	37830-X21	23.6 (600)	23.6 (600)	40 (18.2)
37830-X05	37830-X23	23.6 (600)	31.5 (800)	44 (20.0)
37830-X07	37830-X25	23.6 (600)	39.4 (1000)	48 (21.8)
37830-X09	37830-X27	23.6 (600)	47.2 (1200)	52 (23.6)
37830-X12	37830-X30	31.5 (800)	23.6 (600)	44 (20.0)
37830-X14	37830-X32	31.5 (800)	31.5 (800)	48 (21.8)
37830-X16	37830-X34	31.5 (800)	39.4 (1000)	52 (23.6)
37830-X18	37830-X36	31.5 (800)	47.2 (1200)	56 (25.5)

X=color: C=Black, G=Hammer Gray. Shipping weights are for 8" (200 mm) plinth height.

## Cable Lashing Bracket

Cable Lashing Bracket creates a simple, separate vertical pathway for a small bundle of cables and has multiple slots for straps or tie wraps to secure cables to the bracket.

- Attaches to the frame, adjusts in depth independent of the mounting rails
- Bracket is 1.6"W (41 mm)
- Includes: Brackets, installation hardware; order cable ties separately

Part Number	Description	Shipping Weight lb (kg)
37800-X01	47.2 (1200)	7 (3.2)
37800-X03	78.7 (2000)	9 (4.1)
37800-X04	82.7 (2100)	9 (4.1)
37800-X05	86.6 (2200)	9 (4.1)

X=color: C=Black, G=Hammer Gray.



## Finger Cable Manager

Finger Cable Manager is a T-shaped cable guide that creates a pathway for cables next to the 19" EIA (482.6 mm) equipment mounting rails and guides cables into each U space. Wider configurations for 31.5"W (800 mm) enclosures also feature a protective cover.

- Attaches to and adjusts with mounting rails
- Passes up to 24 cables per U space through openings on Short Finger Cable Manager
- Hinged cover on wider configurations, 31.5"W (800 mm) enclosures, snaps closed to secure cables
- Includes: Finger Cable Manager, cover (on wider managers) and installation hardware



37850 Shown



37860 Shown

Short Finger Cable Manager (for use on 19" EIA Rails)				
Part Number Width - in (mm)		Enclosure Height in (mm)	Rack-Mount Space (U)	Shipping Weight lb (kg)
23.6 (600)	31.5 (800)			
37850-X01	37860-X01	47.2 (1200)	24	14 (6.4)
37850-X03	37860-X03	78.7 (2000)	42	16 (7.3)
37850-X04	37860-X04	82.7 (2100)	45	21 (9.6)
37850-X05	37860-X05	86.6 (2200)	47	22 (10.0)

Short Finger Cable Manager (for use on 19" EIA Rails with Horizontal Support Slides)				
Part Number Width - in (mm)		Enclosure Height in (mm)	Rack-Mount Space (U)	Shipping Weight lb (kg)
23.6 (600)	31.5 (800)			
37865-X01	37860-X01	47.2 (1200)	24	8 (3.7)
37865-X03	37860-X03	78.7 (2000)	42	10 (4.6)
37865-X04	37860-X04	82.7 (2100)	45	11 (5.0)
37865-X05	37860-X05	86.6 (2200)	47	11 (5.0)

X= Color; C=Black, G=Hammer Gray. Shipping weights are for 800 mm wide enclosures. P/N 3780-XXX can be used with Horizontal Support Slides.

## Dual PDU Bracket

Full-Height Dual PDU Mounting Bracket supports two vertical PDUs side-by-side and has multiple slots for CPI Saf-T-Grip Straps or tie wraps to secure cords to the bracket.

- Attaches to the frame, adjusts in depth independent of the mounting rails
- Dual bracket is 4.8"W (121 mm) and supports (2) PDUs up to 2.2"W (51 mm) side-by-side
- Includes: Brackets, installation hardware

Part Number	Description	Shipping Weight lb (kg)
37808-X03	Full-Height, for 78.7"H (2000 mm)	12 (5.5)
37808-X04	Full-Height, for 82.7"H (2100 mm)	13 (5.9)
37808-X05	Full-Height, for 86.6"H (2200 mm)	13 (5.9)
37809-X01	Half-Height, for 47.2"H (1200 mm)	10 (4.6)

X=color: C=Black, G=Hammer Gray.

## Ring Cable Manager

Ring Cable Manager is a ring-shaped cable guide that creates a separate vertical pathway for cables, independent of the equipment mounting rails.

- Attaches to the frame, adjusts in depth independent of the mounting rails
- Rings have an opening on the front for easy addition or removal of cables
- Includes: Brackets, rings and installation hardware
- Material: Steel brackets, plastic rings



Part Number	Enclosure Height in (mm)	Plate Width in (mm)	Shipping Weight lb (kg)
37801-X01	37802-X01	47.2 (1200)	11 (5.0)
37801-X03	37802-X03	78.7 (2000)	14 (6.4)
37801-X04	37802-X04	82.7 (2100)	14 (6.4)
37801-X05	37802-X05	86.6 (2200)	14 (6.4)

X=Color, C=Black, G=Hammer Gray. Shipping weights are for 800 mm wide.

## Short Ring Cable Manager

Short Ring Cable Manager includes a set of four 7U high brackets that create a pathway for cables next to the 19" EIA (482.6 mm) equipment mounting rails.

- Attaches to and adjusts with mounting rails
- Brackets have slots for securing cable bundles with Saf-T-Grips or tie wraps
- Rings have an opening on the front for easy addition or removal of cables
- Includes: Brackets, rings and installation hardware



Part Number	Shipping Weight lb (kg)
37803-X01	10 (4.6)

X=Color, C=Black, G=Hammer Gray.

## Quarter-Height Mounting Plate

Quarter-Height Mounting Plates are solid metal panels that can be mounted in multiple orientations—front-to-rear or side-to-side—directly to the uprights of the frame. The 23.6" W (600 mm) plates can also be mounted directly to 19" EIA square-punched or threaded rails.



Part Numbers				Height in (mm)	Plate Size Height in (mm)	Plate Size Width in (mm)
Enclosure Depth or Width - in (mm)						
23.6 (600)	31.5 (800)	39.4 (1000)	47.2 (1200)			
37842-X14	37842-X26	37842-X38	37842-X50	70.9 (1800)	16.5 (420)	*
37842-X15	37842-X27	37842-X39	37842-X51	78.7 (2000)	18.5 (470)	*
37842-X16	37842-X28	37842-X40	37842-X52	82.7 (2100)	19.4 (493)	*
37842-X17	37842-X29	37842-X41	37842-X53	86.6 (2200)	20.4 (519)	*

\*Calculate plate width by subtracting approximately 3.0" (75 mm) from enclosure depth or width; for example, the plate size width for a 23.6" W (600 mm) enclosure is approximately 20.6" W (525 mm). \*Shipping weights vary by part number: 18 to 73 lb (8.2 to 33.2 kg).

X=Color, C=Black, G=Hammer Gray.



## Half-Height Mounting Plate

Half-Height Mounting Plates are solid metal panels that can be mounted in multiple orientations—front-to-rear or side-to-side—directly to the uprights of the frame. The 23.6" W (600 mm) plates can also be mounted directly to 19" EIA square punched or threaded rails.

Part Numbers				Plate Size Height in (mm)	Plate Size Width in (mm)	
Enclosure Depth or Width - in (mm)						
23.6 (600)	31.5 (800)	39.4 (1000)	47.2 (1200)	Height in (mm)		
37840-X13	37840-X25	37840-X37	37840-X49			47.2 (1200)
37840-X15	37840-X27	37840-X39	37840-X51	78.7 (2000)	78.4 (1992)	*
37840-X16	37840-X28	37840-X40	37840-X52	82.7 (2100)	82.3 (2091)	*
37840-X17	37840-X29	37840-X41	37840-X53	86.6 (2200)	86.3 (2193)	*

\*Calculate plate size width by subtracting approximately 3.0" (75 mm) from enclosure depth or width; for example, the plate size width for a 23.6" W (600 mm) enclosure is approximately 20.6" W (525 mm). \*Shipping weights vary by part number: 18 to 73 lb (8.2 to 33.2 kg). X=Color; C=Black, G=Hammer Gray.



## Full-Height Mounting Plate Assembly

Full-Height Mounting Plates are solid metal panels that are installed in a side-to-side orientation of the enclosure frame. Mounting panels can be adjusted in depth by 1" (25 mm) increments. Full-Height Mounting Plate Assembly with Lower Support Rails can be ordered with the enclosure.

Part Numbers for 23.6" W (600 mm) Enclosures					Plate Size Height in (mm)	Plate Size Width in (mm)
Enclosure Depth - in (mm)				Height in (mm)		
23.6 (600)	31.5 (800)	39.4 (1000)	47.2 (1200)			
37780-X13	37780-X25	37780-X37	37780-X49	47.2 (1200)		
37780-X15	37780-X27	37780-X39	37780-X51	78.7 (2000)	77.4 (1992)	22.9 (582)
37780-X16	37780-X28	37780-X40	37780-X52	82.7 (2100)	82.3 (2091)	22.9 (582)
37780-X17	37780-X29	37780-X41	37780-X53	86.6 (2200)	86.3 (2193)	22.9 (582)

Part Numbers for 31.5" W (800 mm) Enclosures					Plate Size Height in (mm)	Plate Size Width in (mm)
Enclosure Depth - in (mm)				Height in (mm)		
23.6 (600)	31.5 (800)	39.4 (1000)	47.2 (1200)			
37780-X67	37780-X79	37780-X91	37780-XA4	47.2 (1200)		
37780-X69	37780-X81	37780-X93	37780-XA6	78.7 (2000)	78.4 (1992)	30.8 (783)
37780-X70	37780-X82	37780-X94	37780-XA7	82.7 (2100)	82.3 (2091)	30.8 (783)
37780-X71	37780-X83	37780-X95	37780-XA8	86.6 (2200)	86.3 (2193)	30.8 (783)

X=Color; C=Black, G=Hammer Gray. Shipping Weights vary by part number: 47 to 107 lb (21.4 to 48.6 kg).

## Full-Height Baying Mounting Plate

Full-Height Baying Mounting Plates are installed between two Full-Height Mounting Plates when enclosures are bayed (attached side-by-side). This creates a continuous mounting surface, connecting the two Full-Height Mounting Plates.

Part Number	Enclosure Height in (mm)	Plate Width in (mm)	Shipping Weight lb (kg)
37787-X01	47.2 (1200)	4.1 (104)	11 (5.0)
37787-X03	78.7 (2000)	4.1 (104)	15 (6.9)
37787-X04	82.7 (2100)	4.1 (104)	16 (7.3)
37787-X05	86.6 (2200)	4.1 (104)	16 (7.3)

## Bracket Kit for Inset Mount of Full-Height Baying Mounting Plate

Bracket Kit is an alternate method for mounting the Full-Height Mounting Plate. It positions the plate at the very back of the enclosure in a fixed position inset into the rear opening of the frame.

Part Number	Shipping Weight lb (kg)
37777-X01	6 (2.8)

*X=color: C=Black, G=Hammer Gray.*

## Hardware Kits

Hardware Kits are used to attach plates, rails and accessories to the RMR Modular Enclosure frame. The interior of the frame is punched with attachment points on 1" (25 mm) increments. Traditional thread-forming screws allow direct attachment to the frame. Drop-in bolts and nuts speed installation and still provide a bonded connection.

Part Number	Description	Shipping Weight lb (kg)
37940-001	M5.5 x 9 Torx Panhead Thread-Forming Screw	2 (0.9)
37941-001	M8 x 14 Drop-in Hammer Head Bolt & M8 Flange Nut	3 (1.4)
37942-001	M6 Drop-in Nut & M6 Hex Head Flange Screw	3 (1.4)

*Ships in packs of 20.*





## Vertical Rack Busbar

Vertical Rack Busbar provides a common bonding point for rack-mount equipment. Busbar is 5/8" x 1/4" (15.88 mm x 6.4 mm) hard-drawn electrolytic tough pitch 110 alloy copper with attachment points for ground lugs. Attachment points are tapped 1/4-20, and accept two-hole lugs with 1/4" holes on 5/8" in centers. Order RMR Modular Enclosure Vertical Busbar Mounting Kit separately.



Part Number	Length in (mm)	Attachment Points	Shipping Weight lb (kg)
40160-036	36 (910)	8	4 (1.8)
40160-072	72 (1830)	13	5 (2.3)
Vertical Busbar Mounting Kit (for frame and rail mount)			
37943-001		2 (1.0)	

## Additional Support Accessories

### Front-to-Rear Horizontal Support Slides for RMR Modular Enclosure

Use with equipment rails. Includes six slides.

### Baying Kits for RMR Enclosure Systems

Baying Kits attach, or bay, two RMR Modular Enclosures together side-by-side.

- Brackets maintain the space between enclosures to ensure a tight seal
- Enclosures must be the same height and depth
- Side panels are removed or omitted from the both enclosures before the enclosures are bayed

### RMR Modular Enclosure Baying Accessory Kit

Includes eight external baying brackets, two flat brackets and microcellular urethane foam seal to fill gap between enclosures.

### RMR Modular Enclosure Internal Baying Accessory Kit With Seal

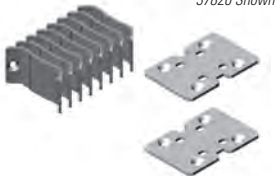
Includes four corner baying brackets, four flat brackets and microcellular urethane foam seal to fill gap between enclosures.

### RMR Modular Enclosure Eyebolt Baying Kit

Includes two eyebolt baying brackets and installation hardware. Use with a Baying Accessory Kit.

### Document Holder

Document Holder attaches to the enclosure with double backed adhesive tape.



Part Number	Description	Shipping Weight lb (kg)
37770-X03	Support Slides for 23.6"D (600 mm) Cabinet	26 (11.8)
37770-X05	Support Slides for 31.5"D (800 mm) Cabinet	34 (15.5)
37770-X07	Support Slides for 39.4 (1000 mm) Cabinet	41 (18.6)
37770-X09	Support Slides for 47.2"D (1200 mm) Cabinet	49 (22.3)
37820-X01	Baying Accessory Kit	5 (2.3)
37825-X01	Internal Baying Accessory Kit with Seal	6 (2.8)
37823-001	Eyebolt Baying Kit	7 (3.2)
37739-X01	Document Holder, A4	4 (1.9)
37739-X02	Document Holder, A3	5 (2.3)

X=Color: C=Black, G=Hammer Gray.



### Cabinet Includes:

- Enclosure with a hinged swing door
- Equipment mounting rails and/or mounting panels/personalized support options
- Metric hardware

## RMR Swing Wall-Mount Enclosure

RMR Swing Wall-Mount Enclosure is a NEMA 12 enclosure that feature a swing out main chassis design, permitting access to the rear of installed equipment. Ventilation and cooling options are available to meet airflow requirements of advanced IT equipment. The enclosure can be configured with equipment mounting rails, sealed cable entry, cable management, PDU and accessories to suit the exact requirement without field modification.

RMR Swing Wall-Mount Enclosure features a three-part design with a solid rear section, hinged center section and a solid or windowed front door, equipped with a CH751 key-latch for security purposes. The enclosure's center section enables the front portion to release, swinging away from the wall section to provide front and rear access to equipment. This allows for quick installation and maintenance, which limits the amount of time that sensitive equipment is exposed to the environment. As a security measure to prevent unauthorized access, the center section of the RMR Swing Wall-Mount Enclosure is only accessible when the front door is unlatched.

- Provides equipment with NEMA Type 12 and IP 55 rated protection against ingress of solid foreign objects and dripping noncorrosive liquids, using advanced formed-in-place foam gasket technology at each panel and cable entry point
- Enables quick access to the front and rear of equipment through a double-hinged, swing-out design
- Supports airflow and cooling options specially certified for industrial applications to maintain equipment cooling requirements outside of normal IT settings and equipment rooms
- Features attachment points along the front, rear, top, bottom and sides, providing quick and secure mounting of plates, rails and accessories at any point along the frame
- Allows a complete enclosure solution to be configured under a single part number, including the exact size frame, mounting system, doors, gland plates and ventilation that you require
- Offers short lead times for modified enclosures—change size or color, and add openings for connections, controls and HMI

### Cabinet Specifications:

- Heights:
 

- 9U, 19.1" (486 mm)	- 12U, 24.4" (619 mm)
- 15U, 29.7" (753 mm)	- 18U, 34.9" (886 mm)
- 21U, 40.1" (1019 mm)	- 26U, 48.9" (1241 mm)
- Widths: 23.6" (600 mm) and 27.6" (700 mm)
- Depths: 20.0" (510 mm), 24.0" (610 mm) and 29.9" (760 mm)
- Equipment Space: 19" EIA (482.6 mm) Equipment Mounting Rails: (1 pair) or (1) Fixed Depth Mounting Plate

### Certifications:

- NEMA Type 12 and IEC 60529, IP 55

All Enclosures are:

- UL Listed, Industrial Control Panel Enclosures, Type 12, File Number NITW.E473128
- UL Listed, Industrial Control Panel
- UL Listed, Industrial Control Panel Enclosures for Canada, Type 12, File NITW7.E473128

Enclosures without filter fans or air conditioners are:

- UL Classified, Degrees of Protection by Enclosures Certified to IEC Publication, EOFI.E486325
- EIA-310 (for 19" EIA equipment rails)- Equipment mounting rails and/or mounting panels/personalized support options
- Metric hardware





## RMR Fixed Wall-Mount Enclosure

RMR Fixed Wall-Mount Enclosures provide NEMA 12I protection for IT communication, automation and control equipment in nonhazardous indoor locations. Ventilation and cooling options are available to meet airflow requirements of advanced IT equipment. The enclosure can be configured with equipment mounting rails, sealed cable entry, cable management, PDU, and accessories to suit the exact requirement without field modification.

These features effectively maintain the enclosure's NEMA 12 and IP 55 protection ratings, which certify the equipment is protected from the intrusion of solid foreign objects such as dirt, dust, lint and fibers, as well as noncorrosive liquid such from dripping and light spray or splashing. The RMR Fixed Wall-Mount Enclosure features a solid or windowed front door equipped with a CH751 key-latch for security purposes. The robust design of the RMR Fixed Wall-Mount Enclosure also protects personnel from hazardous moving parts and electrical equipment within the enclosure.

- Provides equipment with NEMA Type 12 and IP 55 rated protection against ingress of solid foreign objects and dripping noncorrosive liquids, using advanced formed-in-place foam gasket technology at each panel and cable entry point
- Offers airflow and cooling options specially certified for industrial applications to maintain equipment cooling requirements outside of normal IT settings and equipment rooms
- Features attachment points along the front, rear, top, bottom and sides, providing quick and secure mounting of plates, rails and accessories at any point along the frame
- Allows a complete enclosure solution to be configured under a single part number, including the exact size frame, mounting system, doors, gland plates and ventilation that you require

### Cabinet Specifications:

Enclosure is rated for indoor use and protects equipment against the ingress of dust, lint and other debris, as well as dripping and splashing from noncorrosive liquids.

- Heights:
 

- 9U, 19.1" (486 mm)	- 12U, 24.4" (619 mm)
- 15U, 29.7" (753 mm)	- 18U, 34.9" (886 mm)
- 21U, 40.1" (1019 mm)	- 26U, 48.9" (1241 mm)
- Widths: 23.6" (600 mm) and 27.6" (700 mm)
- Depths: 20.0" (510 mm), 24.0" (610 mm) and 29.9" (760 mm)
- Equipment Space: 19" EIA (482.6 mm) Equipment Mounting Rails: (1 pair) or (1) Fixed Depth Mounting Plate

### Certifications:

- NEMA Type 12 and IEC 60529, IP 55

All Enclosures are:

- UL Listed, Industrial Control Panel Enclosures, Type 12, File Number NITW.E473128
- UL Listed, Industrial Control Panel
- UL Listed, Industrial Control Panel Enclosures for Canada, Type 12, File NITW7.E473128

Enclosures without filter fans or air conditioners are:

- UL Classified, Degrees of Protection by Enclosures Certified to IEC Publication, EOFI.E486325
- EIA-310 (for 19" EIA equipment rails)- Enclosure with a hinged swing door
- Equipment mounting rails and/or mounting panels/personalized support options
- Metric hardware

### Cabinet Includes:

- Enclosure with a hinged swing door
- Equipment mounting rails and/or mounting panels/ personalized support options
- Metric hardware

# RMR® FIXED WALL-MOUNT ENCLOSURE

Use the part number matrix below to configure a RMR Fixed Wall-Mount Enclosure. Choose the **Height**, **Width**, **Depth**, **FR**ame Style, **Front Door**, **Rear Door**, **Side Panel**, **Latch**, **Color**, **Bottom Panel** and **Top Panel**. **Example Cabinet Part Number: A2-11AA-1121-G11-3**

A	2	-	H	W	D	FR	-	FD	RD	SP	L	-	C	BP	TP		
<b>1. Type</b>															<b>12. Top Panel</b>		
Single Door																1 Solid	
																2 Gland Plate	
																3 Brush Gland	
<b>2. Height</b>																<b>11. Bottom Panel</b>	
<b>U</b>	<b>in</b>	<b>mm</b>														1 Solid Bottom	
9	19.1	486														2 Gland Plate	
12	24.4	619														3 Brush Gland	
15	29.7	753															
18	34.9	886															
21	40.1	1019															
26	48.9	1241															
<b>3. Width</b>																<b>10. Color</b>	
	<b>in</b>	<b>mm</b>															C Black
	23.6	600															G Hammer Gray RAL 7035
	27.6	700															
<b>4. Depth</b>																<b>9. Latch</b>	
	<b>in</b>	<b>mm</b>															2 Quarter-Turn Wing Knob with CH751 Keyed Lock
	20.0	510															
	24.0	610															
	29.9	760															
<b>5. Frame Style</b>																<b>8. Side Panels</b>	
Multi-Mount (Square-Punched) Rails, 1 Pair, 19" EIA (482.6 mm)																	1 Single Solid
Fixed Depth Mounting Plate																	2 Intake Filter Fan, 4.9" (125 mm), 38 CFM (65 CMH), 115 VAC
																	4 Cooling Unit, 900-1300 Btu/hr (263-381 W), 115 VAC
<b>6. Front Door</b>																<b>7. Rear Door</b>	
Single Solid Metal Door																	1 Not Applicable
Single Tempered Glass Door																	



## Equipment Mounting Rails

Equipment Mounting Rails provide support for 19" EIA (482.6 mm) rack-mount equipment and can be ordered with the enclosure

- Attach to the frame of the enclosure
- Adjustable-depth, supports 19" EIA (482.6 mm) rack-mount equipment
- Recommended to support cantilevered loads to eliminate equipment sag
- Universal (vertical) hole pattern, 1U are 1.75"H (44.45 mm)
- 12-24 tapped for screws or multi-mount (square-punched) for Clik-Nuts or cage nuts
- Electrically bonded to the enclosure frame



37065 Shown



37067 Shown

Multi-Mount (Square Punched) Rails for RMR Modular Enclosure				
Part Number Width - in (mm)		Enclosure Height in (mm)	Rack-Mount Space (U)	Shipping Weight lb (kg)
23.6 (600)	27.6 (700)			
37065-X01	37065-X31	19.1 (486)	9	6 (2.8)
37065-X04	37065-X34	24.4 (619)	12	7 (3.2)
37065-X07	37065-X37	29.7 (753)	15	8 (3.7)
37065-X10	37065-X40	34.9 (886)	18	8 (3.7)
37065-X13	37065-X43	40.1 (1019)	21	9 (4.1)
37065-X18	37065-X48	48.9 (1241)	26	10 (4.6)

X= Color; C= Black and G= Hammer Gray. Shipping weight is for 27.6"W (700 mm) models.

(12-24 Tapped) Rails for RMR Modular Enclosure				
Part Number Width - in (mm)		Enclosure Height in (mm)	Rack-Mount Space (U)	Shipping Weight lb (kg)
23.6 (600)	27.6 (700)			
37067-001	37067-031	19.1 (486)	9	6 (2.8)
37067-004	37067-034	24.4 (619)	12	7 (3.2)
37067-007	37067-037	29.7 (753)	15	8 (3.7)
37067-010	37067-040	34.9 (886)	18	8 (3.7)
37067-013	37067-043	40.1 (1019)	21	9 (4.1)
37067-018	37067-048	48.9 (1241)	26	10 (4.6)

Finish is Clear Brushed-Aluminum. Shipping weight is for 27.6"W (700 mm) models.



## RMR Quick Wall-Mounting Kit

RMR Quick Wall-Mounting Kit features a cleat design that allows for quick and easy mounting of the RMR Wall-Mount Enclosure.

Part Number	Description Width - in (mm)	Shipping Weight lb (kg)
37045-X01	24 (610)	12 (5.5)
37045-X05	28 (712)	13 (5.9)

X= Color; C= Black and G= Hammer Gray.



## Mounting Plates for RMR Wall-Mount Enclosures

Mounting Plates are flat panels that provide a way of attaching a variety of network automation or control equipment devices into the enclosure for flexible support configurations.

- Fixed Mounting Plates are solid metal panels that are installed in a side-to-side orientation at the rear of the enclosure onto the back of the frame and can be ordered with the enclosure
- Adjustable Mounting Plates are solid metal panels that attach in a side-to-side orientation in the middle section of the enclosure and can be adjusted in depth by one inch increments and are ordered as accessories

RMR Wall-Mount Enclosure Fixed Depth Mounting Plate					
Part Number Width - in (mm)		Enclosure Height in (mm)	Plate Height in (mm)	Plate Width in (mm)	Shipping Weight lb (kg)
23.6 (600)	27.6 (700)				
37075-X01	37075-X31	19.1 (486)	14 (356)	*	15 (6.9)
37075-X04	37075-X34	24.4 (619)	20 (508)	*	19 (8.7)
37075-X05	37075-X35	26.1 (664)	21 (534)	*	20 (9.1)
37075-X07	37075-X37	29.7 (753)	25 (635)	*	22 (10.0)
37075-X10	37075-X40	34.9 (886)	30 (762)	*	26 (11.8)
37075-X13	37075-X43	40.1 (1019)	35 (889)	*	30 (13.7)
37075-X18	37075-X48	48.9 (1241)	44 (1118)	*	36 (16.4)

X=Color; C=Black, G=Hammer Gray

Plate width is 20"W (508 mm) for 23.6"W (600 mm) enclosures and 24"W (610 mm) for 27.6"W (700 mm) enclosures. \*Shipping weights are for 27.6"W (700 mm) models.

RMR Wall-Mount Enclosure Adjustable Depth Mounting Plate					
Part Number Width - in (mm)		Enclosure Height in (mm)	Plate Height in (mm)	Plate Width in (mm)	Shipping Weight lb (kg)
23.6 (600)	27.6 (700)				
37076-X01	37076-X31	19.1 (486)	14 (356)	*	15 (6.9)
37076-X04	37076-X34	24.4 (619)	20 (508)	*	19 (8.7)
37076-X07	37076-X37	29.7 (753)	25 (635)	*	22 (10.0)
37076-X10	37076-X40	34.9 (886)	30 (762)	*	26 (11.8)
37076-X13	37076-X43	40.1 (1019)	35 (889)	*	30 (13.7)
37076-X18	37076-X48	48.9 (1241)	44 (1118)	*	36 (16.4)

X=Color; C=Black, G=Hammer Gray

\*Plate width is 20"W (508 mm) for 23.6"W (600 mm) enclosures and 24"W (610 mm) for 27.6"W (700 mm) enclosures. \*Shipping weights are for 27.6"W (700 mm) models.



## Lag Bolt Mounting Kit

Lag Bolt Mounting Kit includes (6) M8 x 40 mm Lag Bolts and Sealing Washers for attaching the enclosure to a plywood back board.

Part Number	Shipping Weight - lb (kg)
37049-001	3 (1.4)



## Vertical Lashing Bracket

Vertical Cable Lashing Bracket creates a simple, separate vertical pathway for a small cable bundles and has multiple slots for straps or tie wraps to secure cables to the bracket.

- May be installed in front of or behind the equipment mounting rails or on either side of the cabinet frame
- An array of slots compatible with zip-ties
- Bracket is 1.6"W (41 mm)
- Includes: Brackets, installation hardware; order cable ties separately
- Material: Steel
- Electrically bonded to the enclosure frame

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
37082-X01	19.1 (486)	4 (1.5)
37082-X04	24.4 (619)	5 (2.3)
37082-X07	29.7 (753)	5 (2.3)
37082-X10	34.9 (886)	5 (2.3)
37082-X13	40.1 (1019)	6 (2.8)
37082-X18	48.9 (1241)	6 (2.8)

X= Color; C= Black and G= Hammer Gray.



## Short Finger Cable Manager

Short Finger Cable Manager is a T-shaped cable guide that creates a pathway for cables next to the rail for better organization. Use it with Front-to-Rear Lashing Bracket for optimum performance.

- Attaches to and adjusts with mounting rails
- Passes up to 24 cables per U space through openings
- Includes: Finger Cable Manager and installation hardware
- Material: Steel panels, plastic guides and latches

Part Number	Enclosure Height in (mm)	Rack-Mount Space (U)	Shipping Weight lb (kg)
37086-X01	19.1 (486)	9	5 (2.3)
37086-X04	24.4 (619)	12	5 (2.3)
37086-X07	29.7 (753)	15	5 (2.3)
37086-X10	34.9 (886)	18	6 (2.7)
37086-X13	40.1 (1019)	21	6 (2.7)
37086-X18	48.9 (1241)	26	7 (3.2)

X= Color; C= Black and G= Hammer Gray.





## Front-To-Rear Cable Lashing Bracket

Front-to-Rear Cable Lashing Bracket routes high volumes of cables from front-to-rear of the cabinet, preventing cabling from invading the U space below the cable run.

- Attaches to the frame to create a dedicated front to rear pathway
- Includes: Trough and installation hardware; Material: Steel bracket

Part Number	Description Depth - in (mm)	Shipping Weight lb (kg)
37084-X01	20.0 (510)	4 (1.5)
37084-X02	24.0 (610)	4 (1.5)
37084-X03	29.9 (760)	5 (2.3)

X= Color; C= Black and G= Hammer Gray.



## Brush Cable Entry Grommet

When NEMA Type 12 and IP 55 protection ratings are not essential, Brush Cable Entry Grommet helps block dust and particles from entering through cable access holes, while providing easier access to cables. Place grommets at the bottom openings for optimum protection.

- Material: Metal backed strip brush, nylon bristles with EPDM layer, plastic brush holder

Part Number	Enclosure Width in (mm)	Opening Size Width in (mm)	Opening Size Depth in (mm)	Shipping Weight lb (kg)
37097-001	23.6 (600)	20.9 (532)	3.5 (89)	4 (1.9)
37097-005	27.6 (700)	24.9 (632)	3.5 (89)	4 (1.9)



## Grounding Lug Kit

Grounding Lug Kit includes a Two-Hole Compression Lug sized for a #6 AWG conductor with .375" (9.5 mm) holes spaced on 1" (25.4 mm) centers and mounting hardware. Attaches to the RMR Wall-Mount Enclosure frame to provide a bonding point for the enclosure.

Part Number	Description	Shipping Weight lb (kg)
37009-001	Ground Lug	2 (0.9)



## RMR Wall-Mount Enclosure Busbar Kit

Busbar Kit includes a 19"L (482.6 mm), 3/4"H (19.1 mm), 3/16" thick (4.8 mm) hard-drawn electrolytic tough pitch 110 alloy copper bar with eight #6-32 tapped lug mounting holes on 1" (25.4 mm) centers, two insulators and mounting hardware. Attaches to the RMR Wall-Mount Enclosures on the back panel and provides a common bonding point for equipment within the enclosure.

Part Number	Description	Shipping Weight lb (kg)
37008-001	Busbar Kit	4 (1.9)



UL Type 4/IP 66



UL Type 12/IP 55

RMR® Standard Wall-Mount Enclosures provide NEMA Type 4 or 12 protection for smaller electronic components and controls that require sturdy wall mounting.

## RMR Standard Wall-Mount Enclosure

RMR Standard Wall-Mount Enclosures by Chatsworth Products (CPI) provide exceptional NEMA 4 and 12 material ingress protection for panel-mount networking, automation, control and instrumentation equipment in indoor or outdoor locations. Stainless steel option is available for applications that require a higher level of corrosion resistance.

Mount equipment into the enclosure with mounting plates (ordered separately). The removable mounting plates attach to the rear of the enclosure. Use the optional Swing Out Kit for RMR Mounting Plate (ordered separately) to install the swing out mounting plate at the front of the enclosure.

Ventilation and cooling options are available to meet airflow requirements of advanced IT equipment. The enclosure can be configured with equipment mounting rails, sealed cable entry, cable management, PDU and accessories to suit the exact requirement without field modification.

UL Type 4/IP 66 enclosures with double doors feature a removable center beam to maintain sealing performance between doors. UL Type 12/IP 55 enclosures feature overlapping solid double doors with three-point latch but do not include a center beam.

- CPI Product Designer tool quickly configures a complete kit
- Sealed with a continuous foam gasket technology
- Kitting and preinstallation of accessories to simplify ordering
- Competitive lead times

### Key Features:

- UL Type 1, 2, 3, 3R, 4, 4X, 5, 12; IP 55/66\*
- For indoor and outdoor use
- Continuous foam gasket seal
- Integrated mounting holes or welded mounting brackets
- Wide range of sizes available
- Single- and double-door options
- 3-point or 1/4-turn latch; keyed and double bit lock options are available
- Optional rear mounting plate

*Note: Field modifications, including the addition of accessories, may result in a different protection rating.*

### Configure to Order Online:



CPI Product Designer creates unique industrial enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. Access this tool at [chatsworth.com/product-designer](https://chatsworth.com/product-designer).

## Specifications/Ordering Notes:

For simplified ordering and full range of sizes and configurations, go to the CPI Product Designer at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



UL Type 4/IP 66

## RMR Standard Wall-Mount Enclosure, Type 4 and 12 with Single Door

UL Type 4/IP 66 and 12/IP 55 enclosures are for either indoor or outdoor use and protect against dirt, rain, sleet, snow, splash and hose down with noncorrosive liquids.

- Designed for NEMA Type 4/IP 66 and 12/IP 55 applications. Also meets NEMA Type 1, 3, and 5; and NEMA Type 2 and 3R with drain hole (hole must be between 1/8" to 1/4" (3 mm - 6 mm))
- Solid or tempered glass single door options
- 2 latch styles: 3-point mechanism and ¼-turn latch. Auxiliary ¼-turn latches are added on top and bottom of enclosures with doors that are 31"W (787 mm) or wider
- 4 lock styles: keyed CH751, double bit and square on 3-point latches; double bit, square and slotted on ¼-turn latches
- 2 mounting methods: integrated mounting hole or welded mounting bracket
- Min and max height: 12"H – 72"H (305 mm - 1829 mm)
- Min and max widths: 10"W – 36"W (254 mm - 914 mm)
- Min and max depths: 6"D – 24"D (152 mm - 610 mm)
- Available in welded mild steel with outdoor-rated, powder coat paint finish (color): Gray ANSI 61, Hammer Gray RAL7035.

**Series A11, mild steel, family of enclosures**  
**Sample Part number: A11-HHWWDD-X00**

### Configure to Order Online:



CPI Product Designer creates unique industrial enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. Access this tool at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).

**Specifications/Ordering Notes:**

For simplified ordering and full range of sizes and configurations, go to the CPI Product Designer at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



UL Type 12/IP 55

**RMR Standard Wall-Mount Enclosure, Type 12 with Solid Double Door**

UL Type 12/IP 55 enclosures are for indoor use and protect against dirt, rain, light splash and with noncorrosive liquids.

- Designed for NEMA Type 12/IP 55 applications. Also meets NEMA Type 1 and 5; NEMA Type 2 with drain hole and NEMA Type 3R with drain hole and drip shield (hole must be between 1/8" to 1/4" (3 mm - 6 mm))
- Solid, overlapping double door
- 2 mounting methods: integrated mounting hole or welded mounting bracket
- Latch styles: 3-point mechanism
- 3 lock styles: keyed CH751, double bit and square
- Min and max height: 24"H – 48"H (610 mm - 1219 mm)
- Min and max widths: 42"W – 60"W (1667 mm - 1524 mm)
- Min and max depths: 8"D – 16"D (203 mm - 406 mm)
- Available in welded mild steel with powder coat paint finish (color): Gray ANSI 61, Hammer Gray RAL7035.

**Series A12, mild steel family of enclosures**

**Sample part number: A12-HHWWDD-X00**



UL Type 4/IP 66

**RMR Standard Wall-Mount Enclosure, Type 4 with Solid Double Door**

UL Type 4/IP 66 enclosure is for outdoor use and protects against dirt, rain, sleet, snow, splash and hose down with noncorrosive liquid.

- Designed for UL Type 4/IP 66 applications. Also meets NEMA Type 1, 3, 5 and 12; and NEMA Type 2 and 3R with drain hole (hole must be between 1/8" to 1/4" (3 mm - 6 mm))
- Solid double doors and center beam. Removable center beam provides convenient installation of mounting plate
- 4 lock styles: keyed CH751, double bit, square and slotted
- 2 latch styles: 3-point and ¼-turn. Auxiliary ¼-turn latches are added on top and bottom of enclosures that are 31"W (787 mm) or wider
- 2 mounting methods: integrated mounting hole or welded mounting bracket
- Min and max height: 24"H – 48"H (610 mm - 1219 mm)
- Min and max widths: 42"W – 60"W (1667 mm - 1524 mm)
- Min and max depths: 8"D – 16"D (203 mm - 406 mm)
- Available in welded mild steel with outdoor-rated, powder coat paint finish (color): Gray ANSI 61, Hammer Gray RAL7035.

**Series A13, mild steel, family of enclosures**

**Sample Part number: A13-HHWWDD-X00**

**Configure to Order Online:**

CPI Product Designer creates unique industrial enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. Access this tool at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



Swing-Out Plate Mounting Kit



Bracket Kit for RMR Standard Wall-Mount Enclosure



Grounding and Bonding Kit



Drip Shield Assembly

## Swing-Out Plate Mounting Kit

The Swing-Out Plate Mounting Kit installs at the front of the enclosures and converts a standard mounting plate into a swing-out mounting plate (ordered separately). The Kit includes brackets, hinges and mounting hardware that attach to the front of the enclosure to allow easy access to electronic components.

## Mounting Bracket Kit for RMR Standard Wall-Mount Enclosure

The Mounting Bracket Kit mounts RMR Standard Wall-Mount Cabinets to the wall. - Required for NEMA Type 4 and IP 66 applications. Includes 4 brackets and screws.

## RMR Enclosure Grounding and Bonding Kit

The RMR Enclosure Grounding and Bonding Kit provides bonding to the enclosure or bonds the optional mounting plate. Includes a 12" L (305 mm), 6-gauge with dual M8 ring terminals and hardware. Compatible with RMR Floor-Mount, RMR Free-Standing and RMR Standard Wall-Mount Enclosures.

## RMR Enclosure Drip Shield Assembly

Required to meet NEMA Type 3R when using a NEMA Type 12/IP 55 enclosure. It is used to provide additional protection against ice and rain.

Refer to enclosure ordering tables for sampling of Drip Shield Assembly part numbers. Go to the CPI Product Designer [chatsworth.com/product-designer](http://chatsworth.com/product-designer) to configure an RMR Enclosure with Drip Shield Assembly.

Part Number	Description	Shipping Weight lb (kg)
DF0021-000000-X01	Swing-Out Plate Mounting Kit 37" - 62" (940 mm - 1575 mm)	4 (1.8)
DF0032-000000-X01	Swing-Out Plate Mounting Kit 37" - 62" (940 mm - 1575 mm)	5.5 (2.5)
DF0033-000000-X01	Swing-Out Plate Mounting Kit 37" - 62" (940 mm - 1575 mm)	3 (1.4)
DF0024-000000-X01	Mounting Bracket Kit for RMR Standard Wall-Mount Enclosures	1 (0.5)
DF0023-000000-001	Grounding and Bonding Kit	0.5 (0.2)

Note: X=Color: (-G00) for Hammer Gray RAL 7035, (-H00) for Light Gray ANSI 61.

### Configure to Order Online:



CPI Product Designer creates unique industrial enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. Access this tool at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



Solid Mounting Plate

## Solid Mounting Plates

Solid Mounting Plates are installed at the rear of the enclosure frame. Network, automation and control equipment devices can be installed onto the mounting plate. Refer to enclosure ordering tables for sampling of mounting plate part numbers. Go to the CPI Product Designer at [chatsworth.com/product-designer](http://chatsworth.com/product-designer) to configure.



Threaded Drain Plug Kit

## RMR Enclosure Threaded Drain Plug Kit

The RMR Enclosure Threaded Drain Plug Kit prevents accumulation of condensed water by allowing it to drain out the bottom of the enclosure. The drain plugs also vent air out of the enclosures, helping to equalize air pressure. Install vent drains at the bottom of the enclosures. Includes vent drain and retaining nut. Compatible with all RMR Enclosures.



XL Polyvent Protective Vent Kit

## RMR Enclosure Door Stop Kit

The RMR Enclosure Door Stop Kit secures the door of the enclosure in the open position. It can be mounted on either left- or right-hinged doors. Includes mounting hardware. Kit includes door stop and mounting hardware. Compatible with RMR Floor-Mount, RMR Free-Standing and RMR Standard Wall-Mount Enclosures.

## RMR Enclosure XL Polyvent Protective Vent Kit

RMR Enclosure XL Polyvent Protective Vent Kit provides ventilation and equalizes air pressure in the event of drastic temperature changes. Pressure equalization is essential to protect the enclosure seal from damage. Installation hardware included. Kit includes vent and retaining nut. Compatible with all RMR enclosures.



LED Light Kits

## LED Light Kit

The LED Light Kit provides additional lighting inside the enclosure. Two types available: On-off switch or motion sensor. Voltage: 100 - 240 V, 50/60 Hz; NEMA 1-15P power cord.

Part Number	Description	Shipping Weight lb (kg)
DF0025-000000-001	RMR Enclosure Threaded Drain Plug Kit	1 (0.5)
DF0022-000000-001	RMR Enclosure Door Stop Kit	1 (0.5)
DF0028-000000-001	RMR Enclosure XL Polyvent Protective Vent Kit	0.5 (0.2)
DF0030-000000-001	LED Light Kit, On-Off Switch	0.5 (0.2)
DF0031-000000-001	LED Light Kit, Motion Sensor	0.5 (0.2)

### Configure to Order Online:



CPI Product Designer creates unique industrial enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. Access this tool at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



UL Type 12/IP 55  
Type 4/IP 66 options available

*RMR® Floor-Mount Enclosures provide NEMA Type 4 or 12 protection for large electronic components and controls that require sturdy mounting. Floor stands elevate the enclosure above the floor for added clearance and easier cable access.*

## RMR Floor-Mount Enclosure

RMR Floor-Mount Enclosures provide exceptional NEMA 4 and 12 material ingress protection for panel-mount networking, automation, control and instrumentation equipment in indoor and outdoor locations. Stainless steel option is available for applications that require a higher level of corrosion resistance.

RMR Floor-Mount Enclosures feature floor stands that provide additional clearance and easy access for cable access through the bottom of the enclosure. The floor stands are bolted onto the frame and can be easily removed for relocation of the enclosure.

Ventilation and cooling options are available to meet airflow requirements of advanced IT equipment. The enclosure can be configured with sealed cable entry, cable management, PDU, and accessories to suit the exact requirement without field modification.

Eight heavy-duty mounting studs on the rear of the enclosure accept a mounting plate. The high-strength, solid mounting plate (ordered separately), attaches to the enclosure and provides a large mounting surface for equipment.

UL Type 4/IP 66 enclosures feature a removable center beam to maintain sealing performance between doors. Remove the center beam to conveniently mount large equipment onto the mounting plate, or to install the mounting plate with preinstalled equipment onto the frame. UL Type 12/IP 55 enclosures feature overlapping solid double doors with three-point latch but do not include a center beam.

- CPI Product Designer tool quickly configures a complete kit
- Sealed with continuous foam gasket technology
- Kitting and preinstallation of accessories to simplify ordering
- Competitive lead times

### Key Features:

- UL Type 1, 2, 3, 3R, 4, 4X, 5, 12; IP 55/66\*
- For indoor and outdoor use
- Floor stands provide additional clearance and easy access to bottom of the enclosure
- Continuous foam gasket seal
- Solid double door
- Keyed and double bit lock options are available
- Wide range of sizes available

*Note: Field modifications, including the addition of accessories, may result in a different protection rating*

### Configure to Order Online:



CPI Product Designer creates unique industrial enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. Access this tool at [chatsworth.com/product-designer](https://chatsworth.com/product-designer).

## Specifications/Ordering Notes:

For simplified ordering and full range of sizes and configurations, go to the CPI Product Designer at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



UL Type 12/IP 55

### RMR Floor-Mount Enclosure, Type 12, with Floor Stand and Solid Double Door

UL Type 12/IP 55 enclosure is for indoor use; protects against dirt, dripping and light splash of noncorrosive liquid.

- Designed for NEMA Type 12/IP 55 applications. Also meets NEMA Type 1 and 5; and NEMA Type 2 with drain hole and NEMA Type 3R with drain hole and drip shield (hole must be between 1/8" to 1/4" (3 mm - 6 mm))
- Overlapping solid double door with 3-point latch mechanism provides easy access for control plate installation
- Latch style: 3-point mechanism with heavy-duty padlock swinghandle
- 3 lock styles: keyed CH751, double bit and square
- Min and max height: 54"H - 72"H (1372 mm - 1829 mm)
- Min and max widths: 42"W - 72"W (1067 mm - 1829 mm)
- Min and max depths: 8"D - 24"D (203 mm - 610 mm)
- Removable floor stands
- Available in welded mild steel with powder coat paint finish (color): Gray ANSI 61, Hammer Gray RAL7035.

**Series A04, mild steel family of enclosures**

**Sample part number: A04-HHWWDD-X00**



UL Type 4/IP 66

### RMR Floor-Mount Enclosure, Type 4, with Floor Stand and Solid Double Door

UL Type 4/IP 66 enclosure is for outdoor use, protects against dirt, rain, sleet, snow, splash and hose down with noncorrosive liquid. Removable center beam provides convenient installation of mounting plate.

- Designed for NEMA Type 4/IP 66 applications. Also meets NEMA Type 1, 3, 5 and 12; and NEMA Type 2 and 3R with drain hole (hole must be between 1/8" to 1/4" (3 mm - 6 mm))
- Removable center beam
- 3 lock styles: keyed CH751, double bit and square
- Latch styles: 3-point mechanism with heavy-duty padlock swinghandle. Auxiliary 1/4-turn latches are added on top and bottom of enclosures that are 31"W (787 mm) or wider
- Min and max height: 60"H - 74"H (1524 mm - 1880 mm)
- Min and max widths: 48"W - 72"W (1219 mm - 1829 mm)
- Min and max depths: 10"D - 24"D (254 mm - 610 mm)
- Removable floor stands
- Available in welded mild steel with outdoor-rated, powder coat paint finish (color): Gray ANSI 61, Hammer Gray RAL7035.

**Series 05, mild steel, family of enclosures**

**Sample part number: A05-HHWWDD-X00**

### Configure to Order Online:



CPI Product Designer creates unique industrial enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. Access this tool at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).





UL Type 12/IP 55



UL Type 4/IP 66

RMR® Free-Standing Enclosures provide NEMA Type 4 or 12 protection for large electronic components and controls that require sturdy mounting.

## RMR Free-Standing Enclosure

RMR Free-Standing Enclosures by Chatsworth Products (CPI) provide exceptional NEMA 4 and 12 material ingress protection for panel-mount networking, automation, control and instrumentation equipment in indoor and outdoor locations. Stainless steel option is available for applications that require a higher level of corrosion resistance.

Enclosures have mounting channels along the sides, top and bottom for attaching mounting plates (ordered separately) or other accessories. The mounting plate can be placed anywhere along the enclosure's mounting channels. Dual-access configuration is available for equipment access from either the front or rear of the enclosure and for back-to-back plate mounting.

Ventilation and cooling options are available to meet airflow requirements of advanced IT equipment. The enclosure can be configured with equipment mounting rails, sealed cable entry, cable management, PDU and accessories to suit the exact requirement without field modification.

The enclosure can be configured with single or dual access, solid single or double doors with a three-point latch mechanism. NEMA Type 4 enclosures with double doors feature removable center beam to maintain sealing performance between doors.

NEMA Type 12 enclosures feature overlapping solid double doors with three-point latch, but do not include a center beam.

- CPI Product Designer tool quickly configures a complete kit
- Sealed with continuous foam gasket technology
- Kitting and preinstallation of accessories to simplify ordering
- Competitive lead times

### Key Features:

- UL Type 1, 2, 3, 3R, 4, 4X, 5, 12; IP 55/66\*
- For indoor and outdoor use
- Easy-to-use side channels for mounting
- Continuous foam gasket seal
- Wide range of sizes available
- Single- and double-door options
- Keyed and double bit lock options are available
- Optional adjustable-depth mounting plate

*Note: Field modifications, including the addition of accessories, may result in a different protection rating*

### Configure to Order Online:



CPI Product Designer creates unique industrial enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. Access this tool at [chatsworth.com/product-designer](https://chatsworth.com/product-designer).

**Specifications/Ordering Notes:**

For simplified ordering and full range of sizes and configurations, go to the CPI Product Designer at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



UL Type 12/IP 55

**RMR Free-Standing Enclosure, Type 12, with Solid Double Door**

UL Type 12/IP 55 enclosure is for indoor use and protects against dirt, dripping and light splash of noncorrosive liquid.

- Designed for NEMA Type 12/IP 55 applications. Also meets NEMA Type 1 and 5; and NEMA Type 2 with drain hole and NEMA Type 3R with drain hole and drip shield (hole must be between 1/8" to 1/4" (3 mm - 6 mm))
- Overlapping solid double door with 3-point latch mechanism provides easy access for control preinstallation
- Latch style: 3-point mechanism with heavy-duty padlock swinghandle
- 3 lock styles: keyed CH751, double bit and square
- Min and max height: 60"H - 90"H (1524 mm - 2286 mm)
- Min and max widths: 48"W - 72"W (1219 mm - 1829 mm)
- Min and max depths: 18"D - 36"D (457 - 914)
- Available in welded mild steel with powder coat paint finish (color): Gray ANSI 61, Hammer Gray RAL7035.
- 4 eye bolts are included with enclosures that are over 24"D (610 mm)
- Order mounting plate(s) separately; use CPI Product Designer for quick and easy selection.

**Series A06, mild steel, family of enclosures**

**Sample part number: A06-HHWWDD-X00**



UL Type 12/IP 55

**RMR Free-Standing Enclosure, Type 12, Dual Access with Solid Double Door**

UL Type 12/IP 55 enclosure is for indoor use and protects against dirt, dripping and light splash of noncorrosive liquid.

- Designed for NEMA Type 12/IP 55 applications. Also meets NEMA Type 1 and 5; NEMA Type 2 with drain hole and NEMA Type 3R with drain hole and drip shield (hole must be between 1/8" to 1/4" (3 mm - 6 mm))
- Dual access provides additional mounting plate placement and access to either front or rear of the enclosure
- Overlapping solid double door with 3-point latch mechanism provides easy access for control plate installation
- Latch style: 3-point mechanism with heavy-duty padlock swinghandle
- 3 lock styles: keyed CH751, double bit and square
- Min and max height: 72"H - 90"H (1829 mm - 2286 mm)
- Min and max widths: 48"W - 72"W (1219 mm - 1829 mm)
- Min and max depths: 24"D - 36"D (610 mm - 914 mm)
- Available in welded, mild-steel with powder coat paint finish (color): Gray ANSI 61, Hammer Gray RAL7035.
- 4 eye bolts are included with enclosures that are over 24"D (610 mm)
- Order mounting plate(s) separately; use CPI Product Designer for quick and easy selection.

**Series A07, mild steel, family of enclosures**

**Sample Part number: A07-HHWWDD-X00**

## Specifications/Ordering Notes:

For simplified ordering and full range of sizes and configurations, go to the CPI Product Designer at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



UL Type 4/IP 66

### RMR Free-Standing Enclosure, Type 4, with Solid Double Door

UL Type 4/IP 66 enclosure is for outdoor use and protects against dirt, rain, sleet, snow, splash and hose down with noncorrosive liquid.

- Designed to meet NEMA Type 4/IP 66 applications. Also meets NEMA Type 1, 3, 5, and 12; and NEMA Type 2 and 3R with drain hole (hole must be between 1/8" to 1/4" (3 mm - 6 mm))
- Solid double doors and center beam. Removable center beam provides convenient installation of mounting plate
- 3 lock styles: keyed CH751, double bit and square
- Latch style: 3-point mechanism with heavy-duty padlock swinghandle. Auxiliary ¼-turn latches are added on top and bottom of enclosures that are 31"W (787 mm) or wider
- Min and max height: 60"H - 90"H (1524 mm - 2286 mm)
- Min and max widths: 48"W - 72"W (1219 mm - 1829 mm)
- Min and max depths: 18"D - 36"D (457 mm - 914 mm)
- Available in welded mild steel with outdoor-rated, powder coat paint finish (color): Gray ANSI 61, Hammer Gray RAL7035.
- 4 eye bolts are included with enclosures that are over 24"D (610 mm)
- Order mounting plate(s) separately; use CPI Product Designer for quick and easy selection

**Series A08, mild steel, family of enclosures**

**Sample Part number: A08-HHWWDD-X00**



UL Type 4/IP66

### RMR Free-Standing Enclosure, Type 4 and 12, with Solid Single Door

UL Type 4/IP66 and 12/IP 55 enclosures are for either indoor or outdoor use and protect against dirt, rain, sleet, snow, splash and hose down with noncorrosive liquids.

- Designed for NEMA Type 4/IP 66 and 12/IP 55 applications. Also meets NEMA Type 1 and 5 ; and NEMA Type 2 and 3R with drain hole (hole must be between 1/8" to 1/4" (3 mm - 6 mm))
- 3 lock styles: keyed CH751, double bit and square
- Latch styles: 3-point mechanism with heavy-duty padlock swinghandle. Auxiliary ¼-turn latches are added on top and bottom of enclosures that are 31"W (787 mm) or wider
- Min and max height: 60"H - 90"H (1524 mm - 2286 mm)
- Min and max widths: 24"W - 36"W (610 mm - 914 mm)
- Min and max depths: 18"D - 36"D (457 mm - 914 mm)
- Available in welded mild steel with outdoor-rated, powder coat paint finish (color): Gray ANSI 61, Hammer Gray RAL7035.
- 4 eye bolts are included with enclosures that are over 24"D (610 mm)

**Series A09, mild steel, family of enclosures**

**Sample Part number: A09-HHWWDD-X00**

### Configure to Order Online:



CPI Product Designer creates unique industrial enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. Access this tool at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).

**Specifications/Ordering Notes:**

For simplified ordering and full range of sizes and configurations, go to the CPI Product Designer at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



UL Type 4/IP 66

## RMR Free-Standing Enclosure, Type 4 and 12, Dual Access with Solid Single Door

UL Type 4/IP 66 and 12/IP 55 enclosures are for either indoor or outdoor use and protect against dirt, rain, sleet, snow, splash and hose down with noncorrosive liquids.

- Designed for NEMA Type 4/IP 66 and 12/IP 55 applications. Also meets NEMA Type 1, 3 and 5; and NEMA Type 2 and 3R with drain hole (hole must be between 1/8" to 1/4" (3 mm - 6 mm))
- Dual access provides additional mounting plate placement and access to either side of the enclosure
- 3 lock styles: keyed CH751, double bit and square
- Latch styles: 3-point mechanism with heavy-duty padlock swinghandle. Auxiliary ¼-turn latches are added on top and bottom of enclosures that are 30" (762 mm) wide or wider
- Min and max height: 72"H – 90"H (1829 mm - 2286 mm)
- Min and max widths: 24"W – 36"W (610 mm - 914 mm)
- Min and max depths: 24"W – 36"W (610 mm - 914 mm)
- Available in welded mild steel with outdoor-rated, powder coat paint finish (color): Gray ANSI 61, Hammer Gray RAL7035.
- 4 eye bolts are included with enclosures that are over 24"D (610 mm)

**Series A10, mild steel, family of enclosures**

**Sample Part number: A10-HHWWDD-X00**

### Configure to Order Online:



CPI Product Designer creates unique industrial enclosures quickly and easily by allowing you to select the size, features and accessories needed for a specific application. Access this tool at [chatsworth.com/product-designer](http://chatsworth.com/product-designer).



## Thermal Management Accessories for RMR Enclosure Systems

CPI offers a comprehensive line of Filter Fans and cooling units that provide superior thermal management to help protect the life of the electronic equipment in environments that require NEMA Type 12 and IP 55 protection. Three cooling methods are available to address different applications and requirements:

- Forced Convection
- Natural Convection
- Closed-Loop Cooling

### Forced Convection with Filter Fans

Use CPI Filter Fans to propel the cool, ambient air into the enclosure. The click mechanism on the Filter Fans has a unique, four-corner fastening system that enables safe and quick, tool-less installation, while maintaining the rated seal, and allowing the filter medium to be replaced in seconds.

For intake fans, once installed, a slight positive pressure builds up inside the cabinet, so that only air filtered by the Filter Fans flows into the enclosure. The air propelled into the cabinet displaces the warm air that exits through the exhaust filter.

The fluted filter mat's folded structure provides airflow and maintains the required NEMA Type 12 protection, while also extending the filter's lifetime 300 percent longer than conventional filters.

- Multiple sizes available
- Top-, side- or front-mounting
- Easy, tool-less installation
- Maintains NEMA Type 12 protection rating
- Hinged grill allows easy filter replacement
- Optimized airflow and reduced energy consumption
- High-quality fluted filter mat provides 300% longer service time
- Patent: [chatsworth.com/patents](http://chatsworth.com/patents)

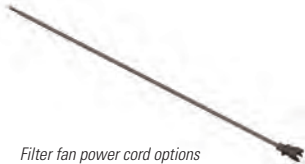
#### Specifications:

- Includes: Fan housing, fan, filter, installation hardware
- Installation: Snap fastener without screws
- Housing Material: Injection-molded thermoplastic, self-extinguishing, UL 94 V0; top fan also has a painted metal cover
- Power Connection: Terminal Strip Approvals; UL®, cUL, CE Marking
- Optional power cord sold separately



RMR Modular Enclosure Filter Fan						
Part Number Type of Filter		Cutout Size in (mm)	Airflow CFM (CMH)	Voltage	Color	Shipping Weight lb (kg)
Intake	Exhaust					
37920-001	37920-002	7 (177)	65 (110)	115	Hammer Gray	2 (0.9)
37920-003	37920-004	7 (177)	65 (110)	230	Hammer Gray	2 (0.9)
37920-005	37920-006	7 (177)	65 (110)	115	Black	2 (0.9)
37920-007	37920-008	7 (177)	65 (110)	230	Black	2 (0.9)
37921-001	37921-002	11.5 (291)	560 (951)	115	Hammer Gray	2 (0.9)
37921-003	37921-004	11.5 (291)	560 (951)	230	Hammer Gray	2 (0.9)
37921-005	37921-006	11.5 (291)	560 (951)	115	Black	2 (0.9)
37921-007	37921-008	11.5 (291)	560 (951)	230	Black	2 (0.9)

## Filter Fans



Filter fan power cord options

RMR Modular Enclosure Top Exhaust Fan					
Part Number	Cutout Size in (mm)	Airflow CFM (CMH)	Voltage	Color	Shipping Weight lb (kg)
37903-001	11.5 (291)	441 (749)	115	Hammer Gray	2 (0.9)

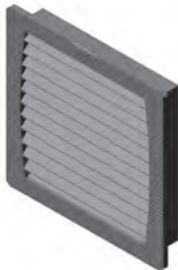
Note: Use Top Exhaust Filter Fan Kit with two Intake Filter Kits. All kits should be the same size. Optional power cord sold separately.

RMR Power Cord For Filter Fan			
Part Number	Voltage	Plug Type	Shipping Weight lb (kg)
37902-001	115	NEMA 5-15P	2 (0.9)
37902-002	230	NEMA 6-15P	2 (0.9)
37902-003	115 or 230	IEC C14	2 (0.9)

Color: Black. Order one Power Cord per Filter Fan Kit. Match to Fan Voltage requirement.

RMR Wall-Mount Enclosure Filter Fan						
Part Number Fan Configuration		Cutout Size in (mm)	Airflow CFM (CMH)	Voltage	Color	Shipping Weight lb (kg)
Intake	Exhaust					
37101-001	37101-002	6 (153)	38 (65)	115	Hammer Gray	5 (2.3)
37101-003	37101-004	6 (153)	38 (65)	230	Hammer Gray	5 (2.3)
37101-005	37101-006	6 (153)	38 (65)	115	Black	5 (2.3)
37101-007	37101-008	7 (177)	38 (65)	230	Black	5 (2.3)

Note: Use Filter Fan Kit with a Filter Kit. Both kits should be the same size. Optional power cord sold separately.



## Filter Kits

Effective when the amount of heat being removed from the enclosure is minimal.

RMR Modular Enclosure Filter Kit		
Part Number	Filter Cutout in (mm)	Shipping Weight lb (kg)
37898-00X	7 (177)	2 (1)
37899-00X	11.5 (291)	3 (2)

X=Color, 1=Hammer Gray, 2- Black

RMR Replacement Filter Mats			
Part Number	Filter Cutout in (mm)	Filter Type	Shipping Weight lb (kg)
37116-001	4.9 (125)	150G/M2	2 (0.9)
37117-001	4.9 (125)	Fluted	3 (2.0)

RMR Wall-Mount Enclosure Filter Kit		
Part Number	Filter Cutout in (mm)	Shipping Weight lb (kg)
37102-00X	4.9 (125)	4 (1.9)

X=Color, 1=Hammer Gray, 2- Black



Note: P/N 37900-XXX is recommended for use with 37872-XXX or 37896-XXX door.

P/N 37901-XXX is recommended for use with 37879-XXX /side Panel.

## Closed Loop Cooling

Closed-loop cooling is required when the ambient temperature is greater than the target internal temperature of the enclosure, or when higher ingress protection (NEMA Type 4 and 12 rating) is necessary. CPI offers closed-loop cooling units by Pfannenberg, which consist of two separate circulation systems. One system seals out the ambient air, cooling and recirculating clean, cool air throughout the enclosure. The second system uses ambient air to remove and discharge the heat.

When using cooling units, ensure a good supply of air intake and outtake from the external circuit of the cooling unit, so that thermal energy can be transferred to the surroundings. The lowest temperature inside the enclosure may not necessarily be the best. Industrial cooling unit manufacturers and CPI recommend an inside temperature of 95 °F (35 °C), which represents a good compromise between service life and the accumulation of condensation. This temperature maintains electronic equipment within electronic equipment environmental specifications and is the default factory temperature setting.

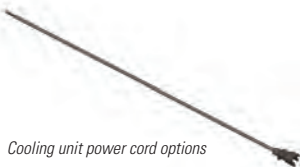
- Closed loop isolates the external ambient air from the internally conditioned air, protecting equipment from dust and contaminants
- Multiple sizes available
- Side- or front-mounting
- Performs efficiently in high-temperature areas
- Uses environmentally friendly HFC-free R134a refrigerant
- Backward curve impeller fan optimizes airflow and extends service life
- Wide condenser fin spacing reduces particulate clogging while balancing performance
- Hermetically sealed compressors prevent refrigerant loss
- Actively evaporates condensation
- Optional power cord sold separately.

### RMR Modular Enclosure Indoor NEMA Type 12 Cooling Units–3000-4000 BTU/hr (879-1172 W) Capacity

Attaches to the outside of the front Door Assembly.

- Cooling Unit is 30”H (750 mm) x 16”W (397 mm) x 10”D (239 mm).

Part Number	Voltage	Color	Shipping Weight lb (kg)
37900-001	115	Hammer Gray	100 (45.4)
37900-002	230	Hammer Gray	100 (45.4)
37900-003	115	Black	100 (45.4)
37900-004	230	Black	100 (45.4)



Cooling unit power cord options

Power Cord for Cooling Units			
Part Number	Voltage	Plug Type	Shipping Weight lb (kg)
37908-001	125	5-15P	2 (1.0)
37908-002	230	6-15P	2 (1.0)
37908-003	250	IEC C14	2 (1.0)

### RMR Modular Enclosure Indoor NEMA Type 12 Cooling Units–5000-7000 BTU/hr (1465-2051 W) Capacity

Attaches to the outside of the Side Panel Assembly.

- Cooling Unit is 36”H (910 mm) x 13”W (330 mm) x 12”D (305 mm).

Part Number	Voltage	Color	Shipping Weight lb (kg)
37901-001	115	Hammer Gray	128 (58)
37901-002	230	Hammer Gray	128 (58)
37901-003	115	Black	128 (58)
37901-004	230	Black	128 (58)



37912 Shown

## Roxtec Sealing Systems for RMR Enclosure Systems

Roxtec sealing solutions maintain the enclosure's NEMA Type 12 and IP 55 protection ratings around cable openings.

- Compact seals provide equipment protection against water, dust, insects and rodents
- 2-piece grommet assembly includes a frame and multidiameter modules that seal around cables
- Each grommet includes several modules to pass multiple cables of various diameters

Part Number	Roxtec Model Frame/Modules	Cutout Size	Depth in (mm)	# of Cables	Cable Diameter Range in (mm)	Shipping Weight lb (kg)
37912-001	ComSeal 10/10	2.2 (56)	5.8 (149)	20	.138 - .650 (3.5 - 16.5)	4 (1.9)
37913-001	ComSeal 15/3	2.4 (61)	7.6 (195)	3	1.102 - 1.693 (28 - 43)	4 (1.9)
37914-001	ComSeal 16/16	2.2 (56)	8.2 (209)	16	.138 - .650 (3.5 - 16.5)	4 (1.9)
37915-001	ComSeal 32/32	4.0 (103)	8.2 (209)	32	.138 - .650 (3.5 - 16.5)	5 (2.3)
RMR Gland Seal						
37916-001	RG M63/4	2.5 (63) Ø	.157 (4)	4	.138 - .650 (3.5 - 16.5)	4 (1.9)
37917-001	RG M63/9	2.5 (63) Ø	.157 (4)	4	.138 - .650 (3.5 - 16.5)	4 (1.9)

Note: On ComSeal, allow a 15 mm clearance around the cutout for securing the grommet to the enclosure. On RG M63, allow a 10 mm diameter space around the cutout for securing the grommet. The ComSeal frame is .59"H (15 mm). The RG M63 frame is 2 "H (51.5 mm). Refer to installation instructions for exact cutout dimensions. For other options, please contact CPI.

## RMR EPDM Snap-In Liquid Tight Grommet

Snap-In Liquid Tight Grommet keeps liquids from leaking through cable openings

- Meets NEMA Type 12 and IP 55 protection ratings
- Accepts a single cable with diameter range 1.06"-1.38" (27-35 mm)
- Knock-out panel opening should be 1.98" (50 mm)
- Fits panel thickness range 0.05"-0.20" (1.3-5.1 mm)



Part Number	Shipping Weight - lb (kg)
37115-001	4 (1.9)



## SECTION 8

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# OBERON<sup>®</sup> WIRELESS ENCLOSURES

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*Learn about CPI's Standard Limited Warranty and Extended Limited Warranties  
See page vii for details*

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# OBERON® WIRELESS ENCLOSURES

Enclosures and mounting solutions for every Wi-Fi and Small Cell access point, in any location. The Solutions Finder identifies solutions based on your AP and installation environment, and highly trained representatives can guide you through the selection and ordering process from start to finish.

## Where Can I Learn More?

To learn more about Oberon®, a division of Chatsworth Products, Wireless Enclosures or to find additional part numbers not listed in this catalog, please visit the website, [oberonwireless.com](http://oberonwireless.com).

## Related Tools:

Use these tools to simplify your planning, selection, order and purchase of Oberon Wireless Enclosures.

- Solutions Finder
- BIM Drawings
- HCAI OPM Specifications
- iBwave

## Featured Product:

### Oberon 3036 Bollard

Oberon's Netpoint 3036 Series Wireless Bollard is ideal for extending wireless and Wi-Fi coverage into open public spaces such as parks, along streets, and transportation hubs, where additional physical security is required. This rugged locking fiberglass bollard is designed to protect and conceal wireless gear, antennas, connectors and cables in just about any open public venue. The 3036 bollard has a 14" (355 mm) inside diameter, key locked base and is available in 8 standard colors.





1047-LTDOME Open and Closed



1047-CW9166 Open and Closed

## Oberon® Wi-Tile® Ceiling Enclosure 1047

The Oberon® Wi-Tile® Ceiling Enclosures are a series of locking ceiling enclosures for wireless access points, small cells, and DAS antennas that mount and secure wireless communications devices flush to the ceiling. Oberon Model 1047, featured here, replaces a standard ceiling tile, and its larger back-box is suitable for larger APs and antennas. APs are mounted in the door, or inside the enclosure in models with the plastic dome. The interchangeable door simplifies AP and antenna moves, and changes.

- Performance: UL listed for low voltage applications. Designed to meet NEC300-22 and 300-23 for plenum installations.
- Solid back-box fills opening behind AP, creating an effective fire, smoke and dust barrier to simplify Infection Control Risk Assessment (ICRA) compliance.
- De-rate AP operating temperature range by 10.8°F (6°C) when mounted in enclosure
- Enclosure must be supported by the building structure independent of the suspended ceiling
- Firestop grommet for insertion into back-box, large enough for 2 Cat 6A cables
- 1 in. trade size knockouts in four walls
- Maximum weight inside enclosure is 25 lb (11.3 kg)
- Ceiling enclosure size: 3"H x 23.75"W x 23.75"L (76 mm x 603 mm x 603 mm)
- Back-box size: 3"H x 18.5" x 18.5" (76 mm x 470 mm x 470 mm)
- Weight: 13 lb (5.8 kg) typical
- Material: Steel and aluminum
- Finish: White

Part Number	Description	Shipping Weight lb (kg)
1047-ARAP755	Enclosure with Aruba AP755 Door	16 (7.3)
1047-ARAP735	Enclosure with Aruba AP735 Door	16 (7.3)
1047-ARAP655	Enclosure with Aruba AP655 Door	16 (7.3)
1047-ARAP635	Enclosure with Aruba AP635 Door	16 (7.3)
1047-CW9166	Enclosure with Cisco 9166 or 9164 Series AP Door	16 (7.3)
1047-COAP9136	Enclosure with Cisco 9136 Series AP Door	16 (7.3)
1047-LPDOME	Enclosure with Opaque White Dome Door	16 (7.3)
1047-LTDOME	Enclosure with Clear Translucent Dome Door	16 (7.3)
1047-ANTMNT	Enclosure with Door for Antenna with 1" center post up to 11" diameter	16 (7.3)

*Note: Enclosures do not include access points. These enclosures fit a standard 24" ceiling grid and sit flush to match lay in tiles. Enclosure doors are cut to fit specific access points. Other options available for other access points, regular flange ceilings, and 600mm ceilings. Contact Oberon for assistance selecting an enclosure to match your AP or antenna.*



For additional technical detail, visit:  
[oberonwireless.com](http://oberonwireless.com) or contact  
 Oberon at [sales@oberonwireless.com](mailto:sales@oberonwireless.com)  
 or 1-877-867-2312.



## Oberon® Wi-Tile® Ceiling Enclosure 1074

Oberon Model 1074 is series of locking ceiling enclosures for LTE Small Cell, Private Radio and DAS systems. 1074 is used in a suspended ceiling and replaces a full 2' x 2' ceiling tile. These enclosures are larger and deeper than 1047 and have a full hinged door making them suitable for the heavier, higher power units used with indoor cellular systems. Contact Oberon for additional details.

- Ceiling enclosure size: 4.5"H x 23.75"W x 23.75"L (127 mm x 603 mm x 603 mm)
- Back-box size: 4"H x 22" x 22" (102 mm x 558 mm x 558 mm)
- Material: Steel and aluminum
- Finish: White

Part Number	Description	Shipping Weight lb (kg)
1074-04-SCDOME	Enclosure with Opaque White Vented Dome	20 (9.1)
1074-04-N3RU	Enclosure with Corning E-62-N3RU Door	20 (9.1)
1074-04-CELAP20	Enclosure with Celona AP20 Door	20 (9.1)

*Note: Enclosures do not include access points (radio units). Enclosure doors are cut to fit specific radio units. Other options are available. Contact Oberon for assistance selecting an enclosure to match your radio unit.*



*Oberon Model 1074-04-SCDOME  
Open and Closed*



For additional technical detail, visit:  
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 Oberon at [sales@oberonwireless.com](mailto:sales@oberonwireless.com)  
 or 1-877-867-2312.



1075-ARAP635 shown.



1075-CW9166 shown.

## Oberon® Wi-Tile® Ceiling Enclosure 1075

Oberon® Model 1075 is a locking enclosure for hard ceiling applications. Similar in features and specs to model 1047 (previous page), but sized to fit between ceiling joists spaced on 16-inch center.

- Secure in hard ceilings that are between 1/2" (12.7 mm) and 1" (25 mm) thick
- Maximum weight inside enclosure is 25 lb (11.3 kg)
- Ceiling enclosure size: 3"H x 17.9"W x 17.9"L (76 mm x 455 mm x 455 mm); 5"H (127 mm) with dome door
- Back-box size: 2.8"H x 14.3" x 14.3" (76 mm x 363 mm x 363 mm)
- Dome size: 2.2"H x 11"W x 11"D (55 mm x 279 mm x 279 mm)
- Weight: 11 lb (5.0 kg) typical
- Material: Steel and aluminum
- Finish: White

Part Number	Description	Shipping Weight lb (kg)
1075-ARAP755	Enclosure with Aruba AP755 Door	15 (6.8)
1075-ARAP735	Enclosure with Aruba AP735 Door	15 (6.8)
1075-ARAP655	Enclosure with Aruba AP655 Door	15 (6.8)
1075-ARAP635	Enclosure with Aruba AP635 Door	15 (6.8)
1075-CW9166	Enclosure with Cisco 9166 or 9164 Series AP Door	15 (6.8)
1075-COAP9136	Enclosure with Cisco 9136 Series AP Door	15 (6.8)
1075-MPDOME	Enclosure with Opaque White Dome Door	15 (6.8)
1075-MTDOME	Enclosure with Clear Translucent Dome Door	15 (6.8)
1075-ANTMNT	Enclosure with Door for Antenna with 1" center post up to 10" diameter	15 (6.8)

*Note: Enclosures do not include access points. Enclosure doors are cut to fit specific access points. Other options available for other access points. Contact Oberon for assistance selecting an enclosure to match your AP or antenna.*



For additional technical detail, visit:  
[oberonwireless.com](http://oberonwireless.com) or contact  
 Oberon at [sales@oberonwireless.com](mailto:sales@oberonwireless.com)  
 or 1-877-867-2312.



Oberon® In-Plane™ Recessed Mounts  
Model 1442 shown.



Oberon® In-Plane™ Recessed Mounts  
Model 1444-COAP9136 shown.

## Oberon® In-Plane™ Recessed Mounts

The Oberon® In-Plane™ Recessed Mounts offers the simplest way to mount APs and antennas from most leading vendors into existing hard (drywall/sheet rock) ceilings up to 1.5" (38 mm) thick, for an aesthetic, professional installation. **Oberon Model 1442**, featured here, is used for existing construction. A cutout is made in the ceiling and the all metal back-box is fastened into the ceiling. The AP fastens to the appropriate trim, and the AP/trim attaches to the back-box with torsion springs. The AP is recessed into the ceiling much like a recessed light fixture, with only the front face exposed for optimal wireless coverage.

- Performance: UL listed for low voltage applications and designed to meet NEC300-22 and 300-23 for plenum installations
  - AP/antenna bracket and trim is interchangeable for other APs or antennas, without removing back-box. Trim attaches with torsion spring
  - Solid back-box fills opening behind AP, creating an effective fire, smoke and dust barrier to simplify Infection Control Risk Assessment (ICRA) compliance
  - De-rate AP operating temperature range by 18°F (10°C) when mounted in enclosure
  - Adjustable hanger wire to support enclosure and installed equipment independent of the ceiling system
  - Swivel fasteners secure enclosure into pre-existing hard ceiling panels .75" (19 mm) thick or less
  - Firestop grommet for insertion into back-box, large enough for 2 Cat6A cables
  - 1 in. trade size knockouts in two walls
  - Back-box size: 3"H x 14" x 14" (76 mm x 356 mm x 356 mm)
  - Trim: 16.9" x 16.9" (430 mm x 430 mm)
  - Weight: 8 lb (3.6 kg); Material: Steel; Finish is white
- Oberon® Model 1444**, is similar to model 1442 above, but is used in suspended ceilings with ceiling tiles up to 1" (25 mm) thick.
- Flange size: 18"W x 22"L x 3.6"D (458 mm x 580 mm x 91 mm)
  - Back-box size: 3"H x 14" x 14" (76 mm x 356 mm x 356 mm)
  - Usable space: 2.5"H x 12.7" x 12.7" (63 mm x 322 mm x 322 mm)
  - Trim: 16.9" x 16.9" (420 mm x 430 mm)
  - Weight: 9 lb (4.0 kg); Material: Steel; Finish is white.

Part Number	Description Model 1442	Shipping Weight lb (kg)
1442-ARAP755	Mount with Aruba AP755 Trim	9 (4.0)
1444-ARAP655	Mount with Aruba AP655 Trim	9 (4.0)
1442-CW9166	Mount with Cisco 9166 or 9164 Series AP Trim	9 (4.0)
1442-COAP9136	Mount with Cisco 9136 Series AP Trim	9 (4.0)
1442-FXL	Mount with Plastic Cover Trim	9 (4.0)
1442-ANTMNT	Mount with Antenna Mount Trim	9 (4.0)
Model 1444		
1444-ARAP755	Mount with Aruba AP755 Trim	9 (4.0)
1444-ARAP655	Mount with Aruba AP655 Trim	9 (4.0)
1444-CW9166	Mount with Cisco 9166 or 9164 Series AP Trim	9 (4.0)
1444-COAP9136	Mount with Cisco 9136 Series AP Trim	9 (4.0)
1444-FXL	Mount with Plastic Cover Trim	9 (4.0)
1444-ANTMNT	Mount with Antenna Mount Trim	9 (4.0)

*Note: Enclosures do not include access points. Enclosure covers are cut to fit specific access points. ANTMNT Trim supports an antenna with a 1" diameter center post up to 11" diameter. Other options available for other access points. Contact Oberon for assistance selecting an enclosure to match your AP or antenna.*



For additional technical detail, visit:  
[oberonwireless.com](http://oberonwireless.com) or contact  
 Oberon at [sales@oberonwireless.com](mailto:sales@oberonwireless.com)  
 or 1-877-867-2312.



Right Angle Wall-Mount with Aruba AP635 trim

## Oberon® H-Plane™ Right-Angle Surface Mounts

Many Wi-Fi Access Point (AP) manufacturers recommend APs be mounted in a horizontal orientation for optimal wireless coverage. **Oberon's H-Plane Right-Angle Surface Mounts 1007** are right-angle wall-mounts that permit APs to be mounted in the preferred horizontal orientation. With Oberon Model 1007, featured here, the AP is partially recessed into the right angle mount, exposing only the antenna face of the AP, providing for the ideal combination of aesthetics and wireless coverage. A locking plastic cover on the back secures and conceals cabling and connectivity, providing for a nicely finished installation. The 1007-LPDOME/LTDOME models have a plastic dome which conceals and secures the AP.

- AP is partially recessed into mount, revealing only AP antenna face
- AP can be secured using manufacturer's locking features
- Size: 5"H x 14.3"W x 14.2"L (127 mm x 363 mm x 362 mm)
- Weight: 5 lb (2.3 kg)
- Material: ABS Plastic Right Angle Wall Mount, 8 ga. Aluminum Trim; White Finish

Part Number	Description	Shipping Weight lb (kg)
1007-ARAP735	Right Angle Wall Mount with Aruba AP735 trim	6 (2.7)
1007-ARAP635	Right Angle Wall Mount with Aruba AP635 trim	6 (2.7)
1007-CW9166	Right Angle Wall Mount with Cisco 9166 or 9164 Series AP trim	6 (2.7)
1007-COAP9136	Right Angle Wall Mount with Cisco 9136 Series AP trim	6 (2.7)
1007-LTDOME	Right Angle Wall Mount with Clear Dome	6 (2.7)
1007-ANTMNT	Right Angle Wall Mount with Antenna	9 (4.0)

*Note: Right Angle Wall Mounts do not include access points. Right Angle Wall Mounts are cut to fit specific access points. Other options available for other access points. Contact Oberon for assistance selecting an enclosure to match your AP.*



Right Angle Wall-Mount 1011-WH shown

**Oberon® H-Plane™ Right-Angle Surface Mounts 1011**, has a hinged, snap-down cover and sidewalls to help conceal cabling and can be placed directly over data outlet. Mounting features for Cisco and Aruba Networks APs and includes universal T-bar for most other vendors' APs. Attractive powder-coated steel finish. Ideal for hard lid environments such as hotels and retail spaces.

Part Number	Description	Shipping Weight lb (kg)
1011-00-WH	Right-Angle Wi-Fi Access Point Wall Mount for Most AP Models, White	4 (1.8)
1011-L-WH	Right-Angle Wi-Fi Access Point Wall Mount with Locking Cover for Most AP Models, White	4 (1.8)

*Note: Right Angle Wall Mounts do not include access points. Contact Oberon for assistance selecting an enclosure to match your AP.*



For additional technical detail, visit:  
[oberonwireless.com](http://oberonwireless.com) or contact  
 Oberon at [sales@oberonwireless.com](mailto:sales@oberonwireless.com)  
 or 1-877-867-2312.



Oberon Model 1014-IND shown

## Oberon® Hi-Bar™ Surface-Mount Enclosures

These surface mounts and enclosures are ideal for securing, protecting, and concealing Wi-Fi access points, cabling, and antennas on walls and hard ceilings. These non-metallic enclosures are paintable and virtually transparent to wireless signals.

Use Oberon Hi-Bar enclosures in offices, residence halls, hotels, retail locations and other indoor venues.

**Oberon® Hi-Bar™ Surface-Mount Enclosures 1014-IND** is a smooth, completely sealed, NEMA 12 enclosure that features a lid secured with tamper-resistant screws.

- 1014-IND, Exterior Size: 11.02 in. x 9.30 in. x 3.96 in. (280 mm x 236 mm x 100 mm) Interior dimensions: 10.74 in. x 9.02 in. x 3.68 in. (273 mm x 229 mm x 94 mm)
- Material: Gray Textured UL94-V0 Polycarbonate Enclosure Base and Cover

### Oberon® Hi-Bar™ Surface-Mount Enclosures 1015

- 1015-1313 and 1015-1313-C, Exterior Size: 13.9 x 13.9 x 4.40 in. (353 x 353 x 112 mm); Interior Size: 13.5 x 12.275 x 4.06 in. (343 x 312x 103 mm)
- Material: White Textured UL94-HB ABS Plastic Enclosure Base with White or Clear Cover.

**Oberon® Hi-Bar™ Surface-Mount Enclosures 1016** have a hinged lid with keyed lock. The back of the box has openings and can be mounted directly over a telecommunication outlet.

- 1016-00 and 1016-C, Exterior Size: 18 x 12 x 5.15 in. (457 x 305 x 131 mm) Interior dimensions: 17.4 x 10.5 x 4.5 in. (441 x 266 x 114 mm)
- Material: White Textured UL94-HB ABS Plastic Enclosure Base with White or Clear Cover



Oberon Model 1015-C shown.

Part Number	Description	Shipping Weight lb (kg)
1014-IND	13.4" (340 mm) Hi-Bar™ Indoor Plastic Wi-Fi Access Point Enclosure with Opaque Screw-on Cover	3 (1.4)
1015-1313	13" (330 mm) Hi-Bar™ Plastic Wi-Fi Access Point Lock Box with Translucent Door	5 (2.3)
1016-00	18" (457 mm) Hi-Bar™ Plastic Wi-Fi Access Point Lock Box with Opaque Door	6 (2.7)
1016-C	18" (457 mm) Hi-Bar™ Plastic Wi-Fi Access Point Lock Box with Translucent Door	6 (2.7)

*Note: Enclosures do not include access points. Other options available including additional brackets to pole mount enclosure and external antennas. Contact Oberon for assistance selecting an enclosure to match your AP.*



For additional technical detail, visit: [oberonwireless.com](http://oberonwireless.com) or contact Oberon at [sales@oberonwireless.com](mailto:sales@oberonwireless.com) or 1-877-867-2312.





Oberon Model 1312-00 on Quad Cable Hanger Mounting Kit 39-1312-QCH.



Oberon Model 900-HC-WH shown



Oberon Model 1008-00-BK with AP cover 33-CW9166-CVR

## Oberon® Hi-Point™ Open-Ceiling and Surface Mounts

Open-Ceiling Mounts include a series of mounts that attach or suspend Wireless access points and antennas in an open ceiling. **Oberon® M-Series™ Modular Mounting System 1312** is a modular frame that can be suspended from the ceiling on a wire or attached to beams. The wire attachment is ideal for high ceilings in warehouses, manufacturing facilities and retail. 1312 features a large, flat plate for attaching the access point and a series of accessory brackets for attaching various external antennas.

- 1312-00, Exterior Size: .85" x 11.5" x 11.6" (22 mm x 292 mm x 295 mm)
- Material: Brushed Aluminum

### Oberon® Hi-Point™ Open Ceiling and Surface Mounts 900-HC-BK and 901-00-HC

are large, hinged junction boxes designed to attach an access point to hanging conduit. The box secures network connections and cabling and features a universal mounting pattern for APs. These products can also be surface-mounted.

- 900-HC-BK, Exterior Size: 2.0" x 6.25" x 6.25". (51 mm x 159 mm x 159 mm)
- Material: Steel
- Finish: Black
- 901-00-WH, Exterior Size: 2.0" x 8.4" x 8.4" (51 mm x 213 mm x 213 mm)
- Material: Plastic
- Finish: White

**Oberon® Hi-Point™ Open Ceiling and Surface Mount 1008** is an L-shaped mounting bracket that attaches to overhead beams orienting the AP parallel to the floor. Ideal for lower open ceilings in restaurant and retail environments.

- 1008, Exterior Size: 2.5" x 7" x 8.4" (64 mm x 178 mm x 214 mm)
- Material: Steel
- Finish: White or Black

Part Number	Description	Shipping Weight lb (kg)
1312-00	M-Frame Modular Mounting System, Mounting Plate	3 (1.4)
39-1312-QCH	Quad Cable Hanger Mounting Kit for Model 1312	1 (0.5)
900-HC-BK	Hanging Conduit Mount for Wi-Fi Access Points, Black	3 (1.4)
900-HC-WH	Hanging Conduit Mount for Wi-Fi Access Points, White	3 (1.4)
901-00-WH	Surface Wall Mount and Hanging Conduit Mount for Wi-Fi Access Points, White	6 (2.7)
1008-00-BK	Wall-Mount Bracket with Beam Clamp, Black	4 (1.8)
1008-00-WH	Right-Angle Wall-Mount Bracket with Beam Clamp, White	4 (1.8)
33-CW9166-CVR	Plastic Stick-on Cover for Cisco 9166, 9164, 9136 Series; Meraki MR57 Series; and Aruba 655, 635, 555, 535 Access Points, Black	4 (1.8)

*Note: Mounts do not include access points. Other options available including additional brackets to attach 1312 and external antennas. Contact Oberon for assistance selecting an enclosure to match your AP.*



For additional technical detail, visit: [oberonwireless.com](http://oberonwireless.com) or contact Oberon at [sales@oberonwireless.com](mailto:sales@oberonwireless.com) or 1-877-867-2312.

## Oberon® Skybar™ Environmental Enclosures

These indoor/outdoor Wi-Fi access point enclosures protect APs from weather, dust, and impacts. They feature a lid secured with tamper-resistant screws or a hinged door with padlock hasp, rounded corners, and aesthetically colored and textured surfaces. These non-metallic enclosures are paintable and virtually transparent to wireless signals. Use indoors to protect indoor APs from harsh environments or outdoors to secure outdoor APs and related network connections.

*NOTE: 6 GHz Access Points (e.g. Wi-Fi 6E) may only operate outdoors in the United States in the Standard Power mode (requiring AFC coordination). Low Power Indoor (LPI) Access Points are restricted to indoor only operation.*

- **Performance:** Designed to NEMA 1, 2, 4, 4X, 12, and 13, and IEC529-IP66 specifications for indoor/outdoor wet, dirty, or corrosive environments. UV-stabilized for exposure to direct sunlight. Transparent to wireless signals. Paintable. Model 1020 and 1022 have NEMA PW ancillary rating for power washing environments.
- **Material:** UL 94 V-0 Polycarbonate Enclosure and cover



The 1020, 1021 and 1022 Series enclosures have lids that secure with tamper-resistant screws. This image shows 1021-00 (cover removed) with Aruba AP.



The 1024 Series Enclosure has a hinged door.

Part Number	Description	Shipping Weight lb (kg)
1020-00	NEMA 4 Plastic Wi-Fi Access Point Enclosure with Opaque Screw-On Cover, 13.4"H x 9.3"W x 4.0"D (340 mm x 236 mm x 100 mm), Gray	3 (1.4)
1020-12125	NEMA 4 Plastic Wi-Fi Access Point Enclosure with Opaque Screw-On Cover, 16.3"H x 14.4"W x 5.5"D (413 mm x 366 mm x 140 mm), Gray	4 (1.8)
1021-00	NEMA 4 Plastic Wi-Fi Access Point Enclosure with Opaque Screw-On Cover, 21"H x 13.5"W x 5.5"D (533 mm x 343 mm x 140 mm), Gray	10 (4.5)
1022-00	NEMA 4 Plastic Wi-Fi Access Point Enclosure with Opaque Screw-On Cover, 14.7"H x 11.4"W x 6.4"D (373 mm x 290 mm x 163 mm), Gray	5 (2.3)
1024-00	Low Profile NEMA 4X Plastic Wi-Fi Access Point Enclosure with Hinged Opaque Door, 15.7"H x 12.4"W x 4.9"D (398 mm x 315 mm x 125 mm), Light Gray	6 (2.7)
1024-C	Low Profile NEMA 4X Plastic Wi-Fi Access Point Enclosure with Hinged Clear Door, 15.7"H x 12.4"W x 4.9"D (398 mm x 315 mm x 125 mm), Light Gray	6 (2.7)
1024-18137	Low Profile NEMA 4X Plastic Wi-Fi Access Point Enclosure with Hinged Opaque Door, 19.2"H x 14.7"W x 7.9"D (488 mm x 374 mm x 201 mm), Light Gray	8 (3.6)
1024-18137-C	Low Profile NEMA 4X Plastic Wi-Fi Access Point Enclosure with Hinged Clear Door, 19.2"H x 14.7"W x 7.9"D (488 mm x 374 mm x 201 mm), Light Gray	8 (3.6)
1024-31237	Low Profile NEMA 4X Plastic Wi-Fi Access Point Enclosure with Hinged Opaque Door, 32.9" x 24.9" x 7.3" (836 mm x 633 mm x 186 mm), Light Gray	11 (5.0)
1024-31237-C	Low Profile NEMA 4X Plastic Wi-Fi Access Point Enclosure with Hinged Clear Door, 32.9" x 24.9" x 7.3" (836 mm x 633 mm x 186 mm), Light Gray	11 (5.0)

*Note: Enclosures do not include access points. Other options available including additional brackets to pole mount enclosure and external antennas. Contact Oberon for assistance selecting an enclosure to match your AP.*



For additional technical detail, visit: [oberonwireless.com](http://oberonwireless.com) or contact Oberon at [sales@oberonwireless.com](mailto:sales@oberonwireless.com) or 1-877-867-2312.



Oberon Model 3036



Oberon Model 3032

## Oberon® NetPoint™ Bollards

These freestanding Wi-Fi bollards protect access points in auditoriums, sports venues, courtyards, campus areas, malls, parking lots, and more. The wireless bollard can be used to mount the Wi-Fi AP in locations where Wi-Fi coverage is needed most, and avoid mounting on buildings or light poles. This rugged bollard is weatherproof and tamper resistant and is designed to protect wireless equipment in open public areas. The construction is virtually transparent to wireless signal. Large enough for APs, omnidirectional and directional antennas, and small network switches from most vendors. NOTE: 6 GHz Access Points (e.g. Wi-Fi 6E) may only operate outdoors in the United States in the Standard Power mode (requiring AFC coordination). Low Power Indoor (LPI) Access Points are restricted to indoor only operation.

- Performance: Designed to protect equipment from tampering, abuse, and weather. NEMA 3R performance for indoor/outdoor environments. Virtually transparent to wireless signals
- Anchors to preinstalled concrete pedestal. Cabling is conducted through conduit in pedestal
- Available in multiple colors and custom colors
- Includes anchor base, equipment stand, hardware to fasten APs and antennas and tamper resistant hardware
- **Oberon Model 3036** is a large, tapered fiberglass bollard with a locking base, 62" H (1574 mm) x 13.5" (342 mm) Diameter
- **Oberon Model 3032** is a medium, non-tapered, plastic bollard that attaches to the base with tamper-resistant screws, 36" H (914 mm) to 57" H (1448 mm) x 11.5" (292 mm) Diameter

Part Number	Description Model 3036	Shipping Weight lb (kg)
3036-00-BG	Fiberglass Bollard, Beveled Top Style, Beige-Gray	85 (38.5)
3036-00-BK	Fiberglass Bollard, Beveled Top Style, Black	85 (38.5)
3036-00-BN	Fiberglass Bollard, Beveled Top Style, Brown	85 (38.5)
3036-00-BZ	Fiberglass Bollard, Beveled Top Style, Bronze	85 (38.5)
3036-00-FGN	Fiberglass Bollard, Beveled Top Style, Forest Green	85 (38.5)
3036-00-GY	Fiberglass Bollard, Beveled Top Style, Gray	85 (38.5)
3036-00-LTGY	Fiberglass Bollard, Beveled Top Style, Light Gray	85 (38.5)
3036-00-WH	Fiberglass Bollard, Beveled Top Style, White	85 (38.5)
Model 3032		
3032-00-BK-XX	Plastic Bollard, Beveled Top Style, Black	30 (13.6)
3032-00-BN-XX	Plastic Bollard, Beveled Top Style, Brown	30 (13.6)
3032-00-DKGNT-XX	Plastic Bollard, Beveled Top Style, Dark Granite	30 (13.6)
3032-00-FGN-XX	Plastic Bollard, Beveled Top Style, Forest Green	30 (13.6)
3032-00-GY-XX	Plastic Bollard, Beveled Top Style, Gray	30 (13.6)
3032-00-LTGNT-XX	Plastic Bollard, Beveled Top Style, Light Granite	30 (13.6)
3032-00-LTGY-XX	Plastic Bollard, Beveled Top Style, Light Gray	30 (13.6)
3032-00-URBZ-XX	Plastic Bollard, Beveled Top Style, Urban Bronze	30 (13.6)
3032-00-WH-XX	Plastic Bollard, Beveled Top Style, White	30 (13.6)

Note: Bollards do not include access points. Other options available including additional brackets to mount antennas, workbox and anchors for the bollard. Contact Oberon for assistance selecting a bollard to match your AP.



For additional technical detail, visit: [oberonwireless.com](http://oberonwireless.com) or contact Oberon at [sales@oberonwireless.com](mailto:sales@oberonwireless.com) or 1-877-867-2312.

## SECTION 9

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See page vii for details*

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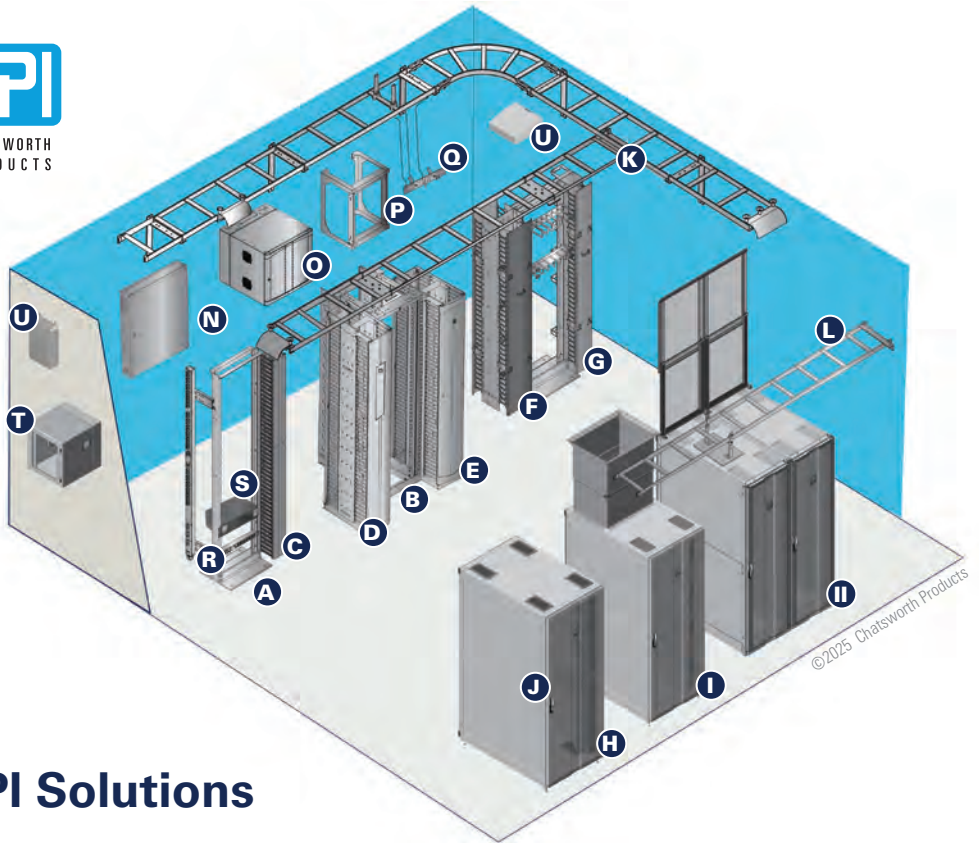
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## CPI Solutions

### Rack Systems

- A – Two-Post Standard Rack
- B – Adjustable Rail Server Rack

### Cabinets

- H – ZetaFrame® Cabinet System
- J – Electronic Lock Kit

### Thermal Management

- I – ZetaFrame® Cabinet with Vertical Exhaust Duct
- II – ZetaFrame® Cabinet with Elevate™ Adjustable Containment Solution

### Wall-Mount Cabinets

- N – ThinLine II Wall-Mount Cabinet
- O – CUBE-iT® Wall-Mount Cabinet

### Wall-Mount Rack

- P – Standard Swing Gate Wall Rack

### Cable Management

- C – Velocity® Cable Management
- D – Motive® Cable Management
- E – Evolution® Cable Management
- F – MCS Master Cabling Section
- G – CCS Combination Cabling Section

### Power Management

- R – eConnect® Intelligent PDUs
- S – Uninterruptible Power Supply (UPS)

### Bonding and Grounding

- Q – Primary and Secondary Busbars

### Cable Pathway

- K – Adjustable Cable Runway
- L – Universal Cable Runway

### Industrial NEMA & Wireless Enclosures

- T – Industrial NEMA Enclosures
- U – Oberon® Wireless Enclosures



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