Data Center Solutions

Protecting
your technology
investment.

CPI

CHATSWORTH
PRODUCTS

A Holistic Approach to an Efficient Data Center

In an interconnected world, where organizations use a mix of enterprise-owned and cloud-based services, managing assets and white space remotely has become increasingly important. Chatsworth Products' (CPI) holistic, cabinet-centric approach to the data center simplifies operation, costs and labor, as well as allows for future expansion.

Since 1991, CPI has provided innovative infrastructure solutions that surpass industry standards in quality, flexibility, customization and ease of use. Our commitment to work with data center professionals to provide unique solutions and unparalleled support has resulted in optimized data centers that meet today's and tomorrow's high efficiency standards.

Availability, Efficiency and Scalability

CPI's cabinet ecosystem combines intelligent power distribution, remote power and environmental monitoring, access control and system optimization with integrated airflow management and enhanced cable management into one of the industry's strongest cabinets. This cabinet-level approach allows you to fully utilize each square foot of space— providing both a near-term payback and long-term capacity to grow. CPI's data center cabinet supports equipment, cable management, airflow management, intelligent power distribution, environmental monitoring, physical security and system optimization—a powerful, yet simple concept.

Customization and Fast Deployment

Data center professionals are required to meet or exceed the needs of their clients, as well as adhere to industry standards and codes. CPI's extensive experience in data center design has resulted in a portfolio of specialized cabinets to meet unique needs such as seismic environments, side airflow optimization, high densities, and heavy-duty cabinets for shipping fully integrated with equipment. Additionally, CPI's consultative design approach includes helping you select and configure the right solutions for your site.

Upgrade and Retrofit

Continuous, automated power and environmental monitoring, and disciplined airflow management are the best tools to control cost and manage assets at the cabinet-level. Intelligent power distribution units (PDUs) and standalone electronic locking solutions bring remote power and environmental monitoring to your site while helping you comply with cybersecurity regulations. Aisle containment strategies increase efficiency and scalability in both brownfield and greenfield applications when cabinet-level isolation is untenable. Developed with built-in flexibility and high-quality engineering, CPI Aisle Containment Solutions easily adapt to challenges such as limited ceiling height and complex overhead pathways.

CPI Data Center Applications

Cloud / Hyperscale

CPI offers a robust solution for systems integrators, including factory installation of accessories to speed deployment, simplify logistics and reduce packaging in a cabinet solution designed for high load-bearing capacity to safely transport equipment.

Enterprise

CPI's integrated solution makes overall deployment and ongoing management faster and economical. Thermal management reduces cooling costs. Remote monitoring and Data Center Infrastructure Management (DCIM) software track assets and ensure capacity optimization. Electronic Access Control adds physical security to record access to cabinets for regulatory compliance.

Colocation / Multitenant Data Centers (MTDC)

Select CPI to support continuous uptime and to provide remote monitoring, asset management and security. Take advantage of the ability to trend power capacity over time to help forecast power consumption more accurately. Use power charge back reporting to closely control power consumption expenses. Remotely control access to cabinets and remotely control power to individual outlets to reduce remote hands charges.
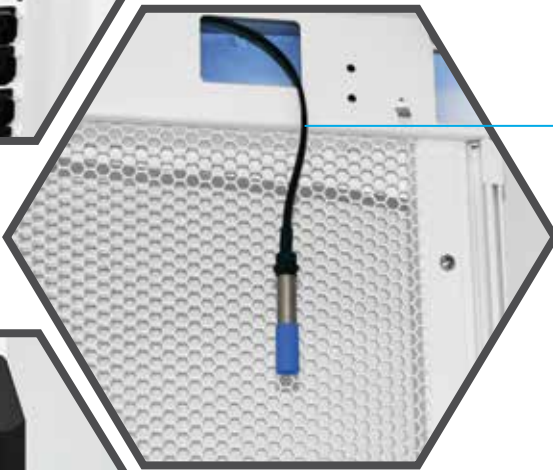

Edge

As connectivity evolves to support the Internet of Things (IoT), companies face new challenges with their IT networks extending into manufacturing floors, warehouse and other nontraditional environments. For cleaner environments, use CPI's wall-mount enclosures to store equipment throughout the office. For dirty, wet environments, CPI offers a full line of NEMA-rated industrial enclosures and accessories for your digital transformation.

CPI Cabinet Ecosystem

Availability, efficiency and scalability begin within the cabinet ecosystem. This cabinet-centric approach provides intelligent power distribution, environmental monitoring, physical security, system optimization, equipment support, airflow management, cable management and simplified operations.

Manage Power with Intelligence

Monitor and control power down to the individual device with CPI's eConnect® PDUs.
• Rated to withstand high temperatures

• Secure Array® IP Consolidation links 48 PDUs under a single IP connection

• Outlet-level monitoring and switching

• Branch circuit monitoring ensures power availability and prevents overcurrent.

Monitor Environment Proactively

Ensure your equipment is safe from critical environmental conditions with CPI's environmental sensors and probes.
• Measure and track inlet and outlet temperature, and inlet humidity at each rack/cabinet

• Automatically monitor and set alarm thresholds to prevent hot spots

• Integrate environmental monitoring with intelligent PDUs to reduce hardware, networking and software costs

Protect Equipment Electronically

Protect critical equipment and data with CPI's effective, yet simple, electronic access control solutions.
• Remotely control cabinet access attempts through a user-friendly web interface

• Keep audit trails for regulatory compliance

• Networked locks can be powered and networked through eConnect PDUs, or used as a standalone solution

Optimize Your System Remotely

Visualize trends of all activities in the room and cabinet in a single screen with CPI's simple, yet robust, Power IQ® for eConnect DCIM software.
• Data charting of trends provides immediate status and insight into utilization

• Power capacity trend analysis provides estimated lifespan

• Power charge back reports allocate power use by equipment, rack or customer

• Failover reports ensure load balancing and available power on A and B circuits

• Report access by user for each cabinet

Support Equipment with Strength

Secure and protect critical equipment in high-density environments with ZetaFrame™ Cabinet.

- Sturdy, deep design

- Supports power, cable and airflow management accessories

- 5,000 lb (2,268 kg) static load ratings and 4,000 lb (1814 kg) dynamic load rating

- Optimal space utilization

Control Airflow with Efficiency

Reduce cooling costs and manage extreme heat with CPI Passive Cooling® technology.

- Utilizes 100 percent of supplied air

- Supports up to 30 kW per cabinet

- Patented Vertical Exhaust Ducts provide cabinet-level airflow containment (aisle containment options also availalbe)

Organize Cables with Flexibility

CPI's cabinets include specific and physically separate pathways for power and network cables, and mounting locations for PDUs.

- Ensures network integrity with minimal airflow interference

- Allows intuitive bundling and easy attachment of cables

Simplify Operations with a Single-Vendor Solution

Easily order CPI cabinets, eConnect PDUs, airflow and cable management accessories preinstalled for quick, simple deployment from a single vendor.

CPI offers complete product information, design tools and other resources to help you easily and efficiently plan and design projects to meet your deadlines and requirements. Visit chatsworth.com

End-to-End Solutions

The next step to continued efficiency requires the focus to be on the data center as a whole.

Our room-level solutions include:

Aisle Containment
From a variety of airflow management accessories, to patented Vertical Exhaust Ducts for the cabinet, to Hot and Cold Aisle Containment, we have a solution that fits your unique needs and architectural challenges.
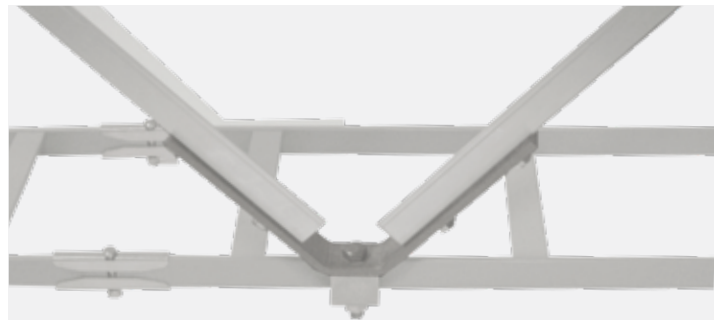
Cable Pathway
A variety of options and accessories can be tailored to meet your facility's requirements and are adaptable for future growth.

Bonding Busbars
CPI offers a comprehensive line of UL® Listed bonding products to protect sensitive electronic equipment.

Seismic Bracing
Specialty protection systems that help reduce the risk of equipment damage from seismic events.

DCIM Software
DCIM software aggregates power, environmental and physical security measurements into a user-friendly dashboard that helps ensure site optimization and capacity planning.

> "For the design of the solution, I like the interoperability of CPI products. I can pick and choose and assemble a solution."
>
> Magnus Askautrud, Business Development Manager
> Coromatic

Configure It!
Take advantage of CPI's design engineering expertise and customize a complete solution under one part number. Email us at: techsupport@chatsworth.com

How Do You Benefit from CPI's Data Center Solutions?

Standardization and Rapid Deployment
• Customize a solution to meet unique applications

• Enable easy ordering and delivery with a factory-assembled cabinet solution

• Increase confidence with pre- and post-sale services, industry-leading warranties and more

Site Optimization and Regulatory Compliance
• Simplify operations with the ability to discover and centrally manage all supported equipment

• Optimize key performance metrics such as Power Usage Effectiveness (PUE), power capacity planning and reporting

• Reduce network connection cost using CPI's Secure Array IP Consolidation technology

• Provide a single integrated system for power management, environmental monitoring and physical security

Reduced Cooling Costs
• Realize a potential 90% reduction in cooling and energy costs

• Support 4x higher heat and power densities

• Design for future growth

• Lower construction costs relative to active cooling solutions

• Have higher Delta T's (ΔT's) between the data center cooling air and exhaust air to improve the efficiency of CRAC units

• Minimize environmental impact and support green initiatives

Maximized Space Utilization
• Deploy the latest servers, storage and networking equipment from leading manufacturers

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Find more information
about CPI solutions at:
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Manufacturing Capability and Global Availability

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

Standard products are readily available through a global network of industry-leading distributors. With stock availability, and CPI's consistently short factory lead times, you can be assured that CPI solutions will be accessible to meet your project scheduling needs.

How to Buy

CPI sales are conducted in partnership with a global network of distributors, contractors and resellers to ensure a high level of stock availability. Use CPI's Online Catalog to place an order with a distributor near you. Go to chatsworth.com to learn more.

About CPI

CPI, a 100% employee-owned company, was founded in June 1991, when 90 workers joined together and purchased the Dracon Division of Harris Corporation using an Employee Stock Ownership Plan (ESOP). Employee ownership is central to the success of CPI. Employee owners are committed to a philosophy of quality through teamwork, caring and commitment, which are extended to customers through our solutions and services.

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