

# Frequently Asked Questions

## GT-Series GlobalFrame® Cabinet System



**Availability: Asia Pacific**

**Q. I have questions about the assembly of components and/or installation of the cabinet?**

A. The GT-Series GlobalFrame Cabinet System User Manual, which includes a complete installation guide, is available for download on the CPI Website at [www.chatsworth.com/GT-Series-Manual](http://www.chatsworth.com/GT-Series-Manual).

**Q. What is the basic GT-Series GlobalFrame Cabinet System configuration for servers?**

A. CPI suggests a 600 mm wide (23.6") by 1200 mm deep (47.2") cabinet for servers. Position the front pair of equipment mounting rails to form an air dam with the cabinet frame. Include a Cable Ring Kit (ordered separately) at the rear of the cabinet for managing network and KVM cables that make equipment connections and a Standard PDU Bracket (ordered separately) opposite the Cable Ring Kit to support vertical rack-mount PDUs at the rear of the cabinet. Be sure to cover any unused rack-mount spaces in the cabinet with Snap-In Filler Panels (ordered separately) in order to separate hot and cold air within the cabinet. Equipment Mounting Hardware and Ground Terminal Block are ordered separately. Other cable and power management accessories are available. Suggested part numbers for the basic configuration are listed in the table below:

Quantity	Part Number	Description
1	GT-1A420	GT-Series GlobalFrame Cabinet, Standard Configuration, 42U, 2013 mm x 600 mm x 1200 mm (79.3"H x 23.6"W x 47.2"D), Black
1	25104-001	Cable Ring Kit, Eight Rings, Black
1	25140-701	Standard PDU Bracket, One Pair, Black
2	TBD	CPI Vertical Power Strips or PDUs
TBD	34537-001	Snap-In Filler Panel, 1U x 19"EIA, Pack of 6, Black
2	12637-001	Cage Nuts and Screws, M6, Pack of 25
1	08009-001	Ground Terminal Block

**Q. What is the basic GT-Series GlobalFrame Cabinet System configuration for patch panels and fiber enclosures?**

A. CPI suggests an 800 mm wide (31.5") by 1000 mm deep (39.4") cabinet for patch panels and fiber enclosures. Include two Vertical Cable Managers (ordered separately) at the front of the cabinet to organize patch cords. Include two Cable Lashing Brackets (ordered separately) to secure premise cables. Use Snap-In Grommet & Plug Kit (ordered separately) on the equipment mounting rails to cover the cable openings in the rail. Cover any unused rack-mount spaces in the cabinet with Snap-In Filler Panels (ordered separately). Equipment Mounting Hardware and Ground Terminal Block are ordered separately. Suggested part numbers for the basic configuration are listed below:

Quantity	Part Number	Description
1	GT-1C220	GT-Series GlobalFrame Cabinet, Standard Configuration, 42U, 2013 mm x 800 mm x 1000 mm (79.3"H x 31.5"W x 39.4"D), Black
2	25120-706	Vertical Cable Manager with Extended Fingers, Black
2	25403-701	Cable Lashing Bracket, Black
4	25873-701	Front-To-Rear Cable Manager, Black
1	25108-001	Snap-In Grommet & Plug Kit, Pack of 14, Black
TBD	34537-001	Snap-In Filler Panel, 1U x 19"EIA, Pack of 6, Black
2	12637-001	Cage Nuts and Screws, M6, Pack of 25
1	08009-001	Ground Terminal Block

**Q. Is the GT-Series GlobalFrame Cabinet System stocked for immediate shipment?**

A. No, GT-Series GlobalFrame Cabinet System is built when ordered.

**Q. Will CPI install accessories in the GT-Series GlobalFrame Cabinet System?**

A. No, GT-Series GlobalFrame Cabinets and accessories ship separately.

**Q. Does the GT-Series GlobalFrame Cabinet include sliding equipment mounting rails?**

A. No, the GT-Series GlobalFrame Cabinet includes mounting rails, but the mounting rails do not slide. The rails adjust in depth in fixed 12.5 mm (0.5") increments. Rails are attached directly to the frame with eight screws. If you require sliding equipment rails, consider the GF-Series GlobalFrame Gen 2 Cabinet or the F-Series TeraFrame Gen 3 Cabinet.

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**Q. Does the GT-Series GlobalFrame Cabinet include equipment mounting hardware for attaching rack-mount equipment to the cabinet's equipment mounting rails?**

A. No, order equipment mounting hardware, M6 cage nuts and screws (P/N 12637-001), separately. Cage nuts insert into the square punched openings creating a threaded attachment point for shelves or equipment mounting brackets. By changing cage nuts, you can change threads to match equipment mounting requirements at each rack-mount space.

**Q. Can the cabinet support cantilever and four-post shelves?**

A. Yes, single-sided 19" EIA rack-mount shelves and 19" EIA four-post (cabinet) shelves can be mounted in the cabinet when there is sufficient rack-mount space and depth for the shelf and the cabinet's equipment mounting rails are positioned to support the shelf.

**Q. Does CPI offer four-post shelves?**

A. Yes, CPI offers several shelves for cabinets with load bearing capacities ranging from 45.4 kg to 136.1 kg (100 lb to 300 lb). The Low Profile Fixed Shelf (P/N 12573-719) is a good general purpose shelf. It is 1U, 19" EIA, with a telescoping design that extends 510 - 910 mm (20" - 36") and holds 45.4 kg (100 lb) of equipment.

**Q. How does cable enter or exit the GT-Series GlobalFrame Cabinet?**

A. The bottom of the cabinet is open and there are cable openings in the top panel. The openings in the top panel are edge-protected, but not covered.

**Q. What size are the cable openings in the GT-Series GlobalFrame Cabinet's top panel?**

A. The top panel has four 99 mm wide x 226 mm deep (3.9" x 8.9"), edge-protected cable openings (one per corner).

**Q. Are covers for the cable openings in the GT-Series GlobalFrame Cabinet's top panel included with the cabinet?**

A. No, order the Cable Port Cover Kit (P/N 25384-701) to cover the openings in the cabinet's top panel. The covers are flat, solid metal covers that completely cover the openings.

**Q. Are brush-sealed grommets available for the cable openings in the GT-Series GlobalFrame Cabinet's top panel?**

A. No, but as an alternative, you can purchase and install the GF-Series GlobalFrame Gen 1 Cabinet Standard Top Panel (P/N 25080-701, 25080-709, 25080-703, 25080-711) and add Cable Port Brush Kit (P/N 25190-001). The GF-Series GlobalFrame Gen 1 Cabinet Standard Top Panel includes four cable knockouts. Cable Port Brush Kit includes two brush sealed grommets that cover the opening when the knockouts are removed.

**Q. Can you attach ladder rack (Cable Runway) to the top of the GT-Series GlobalFrame Cabinet?**

A. No, the GT-Series GlobalFrame Cabinet's top panel is not pre-punched to accept hardware for attaching ladder rack (Cable Runway) or designed to support the additional load. However, as an alternative, you can purchase and install the GF-Series GlobalFrame Cabinet Standard Top Panel (P/N 25080-701, 25080-709, 25080-703, 25080-711), which is pre-punched to attach 300 mm wide (12") ladder rack.

**Q. What vertical cable management accessories are available for the GT-Series GlobalFrame Cabinet System?**

A. The GT-Series GlobalFrame Cabinet System offers three types of vertical cable managers: Vertical Cable Manager, the Cable Ring Kit/Cable Ring Manager and the Cable Lashing Bracket.

- The Vertical Cable Managers (P/N 25110-700, 25404-706, 25120-706) provide high density cable management for patch and equipment cords. The Vertical Cable Manager attach directly to the cabinet's equipment mounting rail and feature plastic T-shaped cable management fingers that project in front of the rail. Openings between the T-shaped fingers align with each rack-mount space in the cabinet allowing cables to be organized by rack-mount unit (U). The manager for the 600 mm wide (23.6") cabinet is available with short standard fingers only and will fit both the 600 mm wide (23.6") and 800 mm wide (31.5") cabinet. The manager for the 800 mm wide (31.5") cabinet is available with short standard or long extended fingers and includes a cover.
- Cable Ring Kits (P/N 25104-001, 25106-001, 25106-002) and Cable Ring Managers (P/N 25402-700, 25402-701) provide medium density cable management for patch and equipment cords. The Cable Ring Kits and Cable Ring Managers include plastic snap on D-rings that loosely bundle cables. Each Cable Ring Kit includes rings that snap directly onto the cabinet's equipment mounting rails. Each Cable Ring Manager includes rings and a separate metal bracket that can be mounted directly to the cabinet's frame and moved independent of the equipment mounting rail. Two depths are available: medium or large rings.
- The Cable Lashing Bracket (P/N 25403-701) provides medium density cable management for premise cables. The Cable Lashing Bracket is a full height bracket that features U-shaped tie points for securing cable bundles with Saf-T-Grip Straps or cable ties. It attaches to the cabinet's frame and moves independent of the equipment mounting rails.

**Q. How many cables will each cable manager hold?**

A. It depends on the usable space within the manager, the size of the cable and how/if cables are bundled. Download the CPI Cable Fill Table at [www.chatsworth.com/cablefill](http://www.chatsworth.com/cablefill) to compare recommended cable fill values for all CPI cable managers.

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### Q. What thermal management accessories are available for the GT-Series GlobalFrame Cabinet System?

A. The GT-Series GlobalFrame Cabinet System offers three thermal management accessories that combine to block airflow around equipment and maintain one-way, front-to-rear, cold-to-hot airflow through the cabinet.

- The Snap-In Grommet & Plug Kit (P/N 25108-001) is used in the 800 mm wide (31.5") cabinet to cover cable pass-through holes in the equipment mounting rails.
- The Snap-In Filler Panel (P/N 34537-001, 34538-001) is used to cover unused rack-mount spaces (U) on the equipment mounting rails.
- The Cable Port Cover Kit (P/N 25384-701) is used to cover cable access ports in the cabinet's top panel.
- The Bottom Panel (P/N 25130-701, 25130-709, 25130-703, 25130-711) prevents airflow through the bottom of the cabinet minimizing bypass airflow and hot spots. Use it when cabinets are elevated on leveling feet or casters. Be sure to select the part number that matches the cabinet's width and depth and note that the Bottom Panel must be installed before equipment is added to the cabinet.
- The Fan Top Panel Kit (P/N 25088-721, 25088-729, 25088-723, 25088-731) includes four fans that exhaust air through the top of the cabinet.
- The GF-Series GlobalFrame Gen 1 Cabinet Standard Top Panel (P/N 25080-701, 25080-709, 25080-703, 35080-711) includes four cable knockouts and attachment points for 300 mm wide (12") ladder rack (Cable Runway). Brush-sealed grommets (Cable Port Brush Kit, P/N 25190-001) are used to cover the cable knockouts and seal the open space around cables. Use it to support cable runway from the top of the cabinet or when brush-sealed cable access ports are required.

### Q. Is a Vertical Exhaust Duct (a top mount duct used to isolate hot exhaust air) available for the GT-Series GlobalFrame Cabinet System?

A. No, this option is not available on this cabinet platform.

### Q. Is a Brush Side Panel (a side panel with brush sealed cable pass-through ports) available for the GT-Series GlobalFrame Cabinet System?

A. No, this option is not available on this cabinet platform.

### Q. Does the GT-Series GlobalFrame Cabinet include PDU Mounting Brackets?

A. No, PDU mounting brackets can be ordered separately.

### Q. What power management accessories are available for the GT-Series GlobalFrame Cabinet System?

A. The GT-Series GlobalFrame Cabinet System offers two power management accessories that support vertical power strips and power distribution units (PDUs) within the cabinet.

- The Standard PDU Brackets kit (P/N 25140-701) is a pair of L-shaped brackets that attach directly to the cabinets corner post and support two PDUs, up to 51 mm wide (2") each, in the corner of the cabinet. There are two mounting locations on the corner post allowing the brackets to support PDUs with tool-less mounting hardware spaced either 1645 mm or 1556 mm (64.75" or 61.25") apart. Note that both PDUs must have the same tool-less mounting hardware spacing.
- The Full Height PDU Bracket (P/N 25141-700) attaches to the side of the cabinet's frame and also supports two PDUs, up to 61 mm wide (2.4") each. The bracket has mounting locations for tool-less mounting hardware spaced 1645 mm or 1556 mm (64.75" or 61.25") apart and tie points for securing bundled power cables. Note that the PDUs can have different tool-less mounting hardware spacing.

### Q. Does the GT-Series GlobalFrame Cabinet include casters?

A. Yes, GT-Series GlobalFrame Cabinet includes transport casters that support 45 kg (100 lb) of load and are intended to move an empty cabinet into place during initial installation. The leveling feet need to be extended until the load is completely removed from the transport casters before any equipment is installed.

### Q. Are load bearing casters available for the GT-Series GlobalFrame Cabinet?

A. Yes, but load bearing casters are not included with the GT-Series GlobalFrame Cabinet. To move the cabinet with equipment installed in the cabinet, order and install the accessory Caster Kit (P/N 25230-001) prior to loading the cabinet. Caster Kit (P/N 25230-001) will support a cabinet with up to 1020 kg (2250 lb) of installed equipment.

### Q. Does the GT-Series GlobalFrame Cabinet include leveling feet?

A. Yes, leveling feet are included with each cabinet.

### Q. Does the GT-Series GlobalFrame Cabinet include floor attachment brackets?

A. Yes, floor attachment brackets are included with each cabinet, but appropriate M10 or 3/8" floor installation hardware must be ordered separately.

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**Q. Does the GT-Series GlobalFrame Cabinet include a baying kit?**

A. Yes, a baying kit is included with each cabinet. The baying kit allows side-by-side attachment of cabinets that are the same height and depth. Each cabinet should still be attached to the floor.

**Q. Does the GT-Series GlobalFrame Cabinet include a factory-installed grounding and bonding kit?**

A. Yes, GT Series GlobalFrame Cabinets manufactured after February 2012 include a factory-installed grounding and bonding kit to electrically bond the top panel, side panels and doors to the cabinet frame. For cabinets manufactured before February 2012, order the Cabinet Bonding Kit (P/N 25395-001) separately.

**Q. Does the GT-Series GlobalFrame Cabinet include a ground terminal block for attaching the cabinet to the Telecommunications Grounding System?**

A. No, the GT-Series GlobalFrame Cabinet does not include a ground terminal block for bonding the cabinet to a ground conductor, but there are bonding locations on the cabinet's frame for attaching the ground terminal block. Order the One Mounting Hole Ground Terminal Block (P/N 08009-001) separately.

**Q. Are service parts (doors, top panel, side panels) for the GT-Series GlobalFrame Cabinet System sold separately?**

A. Yes, all service parts (doors, top panel, side panels, equipment mounting rails, transport caster kit, baying kit, leveling feet and floor mounting kit) are sold separately. To order doors, top panel, side panels or equipment mounting rails, you need to know the cabinet part number or size. The cabinet part number is printed on a label located on the top frame support at the rear of the cabinet. If you are unable to locate the cabinet part number, please log on to [www.chatsworth.com/gt-series](http://www.chatsworth.com/gt-series).

**Q. I did not find the answer to my question. Who do I contact for assistance?**

A. Please contact +86 21 6880 0266 or CPI Technical Support at ([techsupport@chatsworth.com](mailto:techsupport@chatsworth.com)) for assistance. For immediate information, log on to [www.chatsworth.com/gt-series](http://www.chatsworth.com/gt-series).