

# CABINET & ENCLOSURE SYSTEMS

Cabinets, Thermal Products, Cable and Fiber Management & Accessories



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# CABINET & ENCLOSURE SYSTEMS

Use CPI Cabinet and Enclosure Systems to store multiple servers or various pieces of computer equipment, provide extra security and enhanced thermal management, or hide cables and devices for a more professional appearance.

The patent pending innovations found in CPI's thermal management accessories make the most of your data centers cooling system by eliminating bypass and re-circulation of hot exhaust air.

## **CPI Cabinet and Enclosure Systems include:**

- High-quality construction and design
- Four vertical mounting rails for four-point attachment
- Standard EIA/ECA-310-D hole pattern
- High static load rating, ranging from 800 lb (362.9 kg) to 3000 lb (1360 kg)
- High dynamic load rating of 3000 lb (1360 kg) on some models
- Large open base for cable entry and exit
- Rack-mount unit markings on most rails and channels for fast equipment mounting

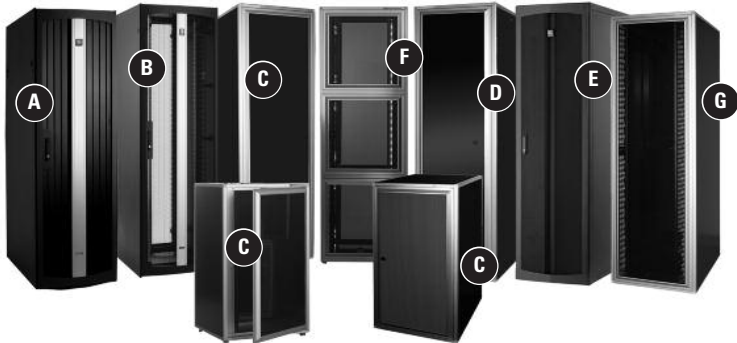
## **New Products:**



*F-Series TeraFrame HD Cabinet System  
Page 2-20*



*Security Enclosures  
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## Cabinet & Enclosure Systems

Product	Description	Load Rating lb (kg)
<b>A</b> F-Series TeraFrame® Cabinet System <i>Page 2-5</i>	Metric footprint cabinet is available in three widths, 12 heights and 17 depths (612 standard frame sizes). Welded steel and bolted aluminum four-post frame includes two pairs of sliding, continuously adjustable mounting rails and has internal cable management space.	2500 (1134)
F-Series TeraFrame® HD Cabinet System <i>Page 2-20</i>	Metric footprint cabinet is available in a 600 mm width, two depths (6 standard frame sizes). Heavy-duty welded steel and bolted aluminum four-post frame includes two pairs of sliding, continuously adjustable mounting rails, heavy-duty casters, high capacity shock pallet and a reusable padded shipping carton.	3000 (1360)
<b>B</b> N-Series TeraFrame® Network Cabinet <i>Page 2-7</i>	TeraFrame-style network equipment cabinet has extra space along the front, rear and side for cable management. Available with an internal Network Switch Exhaust Duct designed specifically to control side-to-side airflow for network switch equipment that guides hot air out the rear of the cabinet.	2500 (1134)
<b>C</b> M-Series MegaFrame® Cabinet System <i>Page 2-39</i>	Wide footprint cabinet with adjustable depth equipment mounting rails and 3" (80 mm) of internal cable management space on both sides. Bolted aluminum construction, may be delivered partially assembled.	2000 (907.2)
<b>D</b> C-Series SlimFrame® Cabinet System <i>Page 2-45</i>	Narrow footprint enclosed cabinet with adjustable depth equipment mounting rails and 1" (30 mm) of internal cable management space on both sides. Minimal 24" (610 mm) overall footprint matches the width of access floor tiles in the United States. Bolted aluminum construction, may be delivered partially assembled.	2000 (907.2)
<b>E</b> T-Series SteelFrame Cabinet System <i>Page 2-48</i>	Wide or narrow footprint cabinet with adjustable depth equipment mounting rails and internal cable management space. Welded, steel frame construction.	2000 (907.2)
<b>F</b> E-Series ISP Co-Location Cabinet <i>Page 2-52</i>	Special wide footprint MegaFrame Cabinet with three separate compartments for secure multi-user applications. Bolted aluminum construction, may be delivered partially assembled. Used in co-location facilities or on the customer premise when multiple services or tenants share an equipment room.	2000 (907.2)
<b>G</b> Seismic Frame® Cabinet <i>Page 2-54</i>	Special wide footprint MegaFrame Cabinet internally braced for use in Zone 4 areas. Delivers fully assembled. Used in seismic zones to provide added protection for equipment.	800 (362.9)

## Cabinet Systems

CPI continuously provides flexibility in meeting the challenges of changing data and telecommunications technology. To meet these changes, CPI develops cabinets that are well-designed, forward-thinking and versatile.

The chart below lists the main style differences of CPI's cabinet families. Cabinets are available in several styles and sizes with a choice of included equipment mounting rails, side panels and doors.

### When selecting a CPI Cabinet consider:

- Overall and usable width and depth
- Rack-mount unit required
- Aluminum or steel construction
- Style of equipment mounting rail (five to choose from)
- Door style (five styles including double doors)
- Cabinets are available without doors, sides or tops
- Color
- Fully or partially assembled

### Product Comparison

Cabinet & Enclosure Systems				
Product	Overall/Rack-Mount Width - in (mm)	Material & Construction	Key Attribute	Partially Assembled
F-Series TeraFrame® Cabinet System Page 2-5	23.6 (600)/19" EIA 27.6 (700)/19" EIA 31.5 (800)/19" EIA	Steel and Aluminum, Welded and Bolted	Metric footprint available in 612 standard frame sizes	No
F-Series TeraFrame® HD Cabinet System Page 2-20	23.6 (600)/19" EIA	Steel and Aluminum, Welded and Bolted	For high-density server and storage applications that require the cabinet to be re-shipped after up to 3000 lb (1360 kg) of equipment has been installed	No
N-Series TeraFrame® Network Cabinet Page 2-27	31.5 (800)/ 19" EIA	Steel, Welded***	Controls side exhaust airflow from switches; Cisco and Juniper compatible versions available	No
M-Series MegaFrame® Cabinet System Page 2-39	27.3 (693)/19" EIA 31.3 (795)/23" EIA 31.3 (795)/19" EIA*	Aluminum, Bolted**	3" (80 mm) of internal cable management space along both sides of equipment	Yes
M-Series 48" MegaFrame® Cabinet Page 2-44	27.3 (693)/19" EIA 31.3 (795)/23" EIA	Aluminum, Bolted	Secure half a rack (25U) of equipment	Yes
C-Series SlimFrame® Cabinet System Page 2-45	24 (610)/19" EIA	Aluminum, Bolted	Fits over 24"W (610 mm) access floor tile	Yes
T-Series SteelFrame Cabinet System Page 2-48	24 (610)/19" EIA 27.3 (693)/19" EIA	Steel and Aluminum, Welded and Bolted	Fits floor tile or available in wide footprint with additional cable management space	No
E-Series ISP Co-Location Cabinet Page 2-52	27.3 (693)/19" EIA 31.3 (795)/23" EIA	Aluminum, Bolted	Three secure compartments in one cabinet	Yes
Seismic Frame® Cabinet Page 2-54	27.3 (693)/19" EIA	Aluminum, Bolted with Inner Steel Frame	Rated for use in Zone 4 seismic areas	No

\*Use a 23"-19" Rail Adapter Kit to convert the cabinet. This cabinet has 5" (130 mm) of cable management space along both sides.

\*\*Aluminum extrusion with an anodized finish. Doors, top and side panels are painted. \*\*\*Steel cabinets are fully welded and painted a single color.

# The F-Series TeraFrame® Cabinet System

Metric footprint for international use

Available in three widths, 12 heights and 17 depths (612 standard sizes)

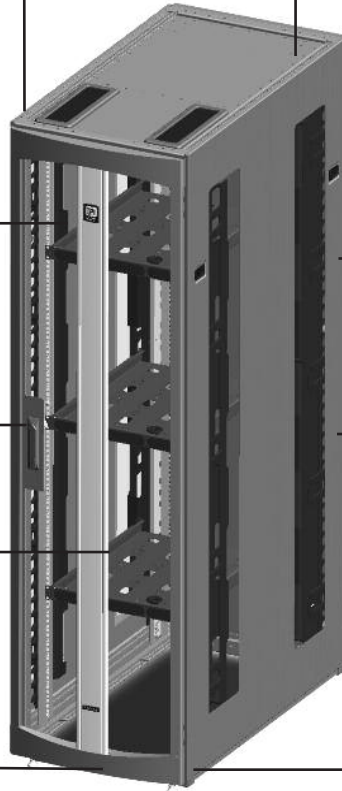
Includes two pairs of sliding, continuously adjustable equipment mounting rails to provide front and rear support for 19" EIA-310-D compliant rack-mount equipment and shelves

Mounting rails have 1.75" H (44.45 mm) rack-mount units and are available with square-punched or threaded attachment points; rack-mount unit spaces are marked and numbered on each mounting rail

Choose from seven styles of latch-lock combinations; all doors have swing handles with a single-point or two-point slam or cam latch and keyed, combination or electronic lock

Choose a solid Lexan, solid metal or perforated metal front door; doors are reversible to open from the right or left and can be quickly removed during equipment installation or service work

Open base for cable entry; includes leveling feet and floor attachment brackets (casters are available as an accessory)



Choose a solid top panel with two (server-style) or four (network-style) large brush-sealed network cable access ports or use the Vertical Exhaust Duct option with high heat density applications to isolate and remove hot air from the room

Welded steel and bolted aluminum frame construction supports up to 2500 lb (1134.0 kg) of equipment

Choose solid or vented easy to remove side panels; side panels have recessed spring-loaded latches with keyed locks; cabinets can be bayed (side-by-side) with side panels installed

Choose a solid metal, perforated metal or double perforated metal rear door

The mounting rails, top panel, side panels and doors are electrically bonded to the cabinet frame; a ground terminal block is included to attach the frame to the CBN or TGB

Organize network cables, power strips and power cords along the sides of the cabinet with optional side-mounted vertical cable managers and vertical power strip managers

Use optional CPI Passive Cooling® Solutions (thermal management accessories) to control airflow through, over and around the cabinet to eliminate hot spots and improve equipment cooling

Available in 612 standard sizes  
Static load rating up to 2500 lb (1134 kg)



## F-Series TeraFrame® Cabinet System

The F-Series TeraFrame® Cabinet System helps organize, store and secure computer, data storage and network equipment in the data center, computer room or network environment. Every cabinet includes two pairs of sliding, continuously adjustable equipment mounting rails to provide critical front and rear support for equipment. Square-punched or tapped EIA-310-D compliant equipment mounting rails guarantee compatibility with most rack-mount equipment. Plus, each rack-mount unit is marked and numbered on all mounting rails making it easy to locate and attach equipment.

Top panels have large brush-covered cable openings that will handle large bundles of cables while preventing undesirable hot air re-circulation. Side panels have a recessed locking spring-loaded latch and can be easily removed to access equipment. Cabinets can be bayed with side panels installed or uninstalled. Doors and side panels are either solid or perforated (mesh). Doors feature a swing handle for better security. There are seven latch lock styles to choose from.

Combine F-Series TeraFrame with thermal and cable management accessories to create a custom solution that fits your exact needs.

### Cabinet Specifications:

- Available in 12 heights, three widths and 17 depths
- Provides front and rear support for 19"W EIA equipment and shelves with two pairs of adjustable depth rack-mount unit marked and numbered equipment mounting rails
- Includes grounding and bonding kit
- Includes leveling feet and floor anchor brackets
- Can be ordered with or without top panel, side panels and doors
- Choose from seven door latch-lock combinations
- Welded steel and bolted aluminum frame construction
- Load rating:
  - 2500 lb (1134 kg) for 23.6" (600 mm) wide cabinets
  - 2000 lb (907.2 kg) for 27.6" (700 mm) wide cabinets
  - 2000 lb (907.2 kg) for 31.5" (800 mm) wide cabinets
- UL Listed 60950

### Cabinet Includes:

- (1) Four-post frame (painted finish)
- (4) Vertical Mounting Rails (square-punched or tapped)
- (1) Grounding/Bonding Kit
- (2) Locking, Solid or Vented Side Panels (optional)
- (1) Front Door (optional)
- (1) Rear Door (optional)
- (1) Top Panel (optional)
- (4) Leveling Feet
- (4) Floor Anchor Clamps
- (2) Mounting Brackets for a 68.5"L (1740 mm) CPI Vertical Power Strip/PDU in 42U or 47U cabinets
- (1) Bag of 25 Each M6 Cage Nuts and Screws (square-punched rails)
- (1) Bag of 50 Each #12-24 Rack Channel Mounting Screws (tapped rails)

See following pages for details.

# F-SERIES TERAFRAME® CABINET SYSTEM

Use the part number configurator below to create a custom TeraFrame. Choose the **Height**, **Width**, **Depth**, **Rail Style**, **Front Door**, **Rear Door**, **Latch**, **Color**, **Top Panel Style** and **Side Panel Style**. *Example part number: FF2J-112A-C22*

**F H W D - R FD RD L - C TP SP**

1. Height					
Cabinet		Frame		U	
in	mm	in	mm		
46.8	1189	46.6	1184	24	<b>A</b>
67.8	1722	67.6	1717	36	<b>B</b>
78.3	1989	78.1	1984	42	<b>C</b>
80.0	2032	79.9	2029	43	<b>D</b>
81.8	2078	81.6	2073	44	<b>E</b>
83.5	2121	83.4	2118	45	<b>F</b>
85.3	2167	85.1	2162	46	<b>G</b>
87.0	2210	86.9	2207	47	<b>H</b>
88.8	2256	88.6	2250	48	<b>J</b>
90.5	2299	90.4	2296	49	<b>K</b>
92.3	2344	92.1	2339	50	<b>L</b>
94.0	2388	93.9	2385	51	<b>M</b>

2. Width					
Cabinet		EIA	Frame		
in	mm		in	mm	
23.6	600	19"	23.4	594	<b>1</b>
27.6	700	19"	27.3	694	<b>2</b>
31.5	800	19"	31.3	794	<b>3</b>

3. Depth							
	Cabinet		Rails		Frame		
	in	mm	in	mm	in	mm	
	35.3	897	28.6	726	31.5	800	<b>A</b>
	36.3	922	29.6	751	32.5	825	<b>B</b>
	37.3	947	30.6	776	33.5	850	<b>C</b>
	38.2	972	31.5	801	34.4	875	<b>D</b>
	39.2	997	32.5	826	35.4	900	<b>E</b>
	40.2	1022	33.5	851	36.4	925	<b>F</b>
	41.2	1047	34.5	876	37.4	950	<b>G</b>
	42.2	1072	35.5	901	38.4	975	<b>H</b>
	43.2	1097	36.5	926	39.4	1000	<b>J</b>
	44.2	1122	37.4	951	40.4	1025	<b>K</b>
Vertical Exhaust Duct	45.1	1147	38.4	976	41.3	1050	<b>L</b>
	46.1	1172	39.4	1001	42.3	1075	<b>M</b>
	47.1	1197	40.4	1026	43.3	1100	<b>N</b>
	48.1	1222	41.4	1051	44.3	1125	<b>P</b>
	49.1	1247	42.4	1076	45.3	1150	<b>R</b>
	50.1	1272	43.3	1101	46.3	1175	<b>T</b>
	51.0	1297	44.3	1126	47.2	1200	<b>U</b>

4. Rail Style	
Square-Punched, 2 Pair	<b>1</b>
Tapped, #12-24, 2 Pair	<b>2</b>

10. Side Panel Style	
<b>0</b>	None
<b>1</b>	Solid, 1 each
<b>2</b>	Solid, 2 each
<b>3</b>	Vented, 1 each
<b>4</b>	Vented, 2 each

9. Top Panel Style	
<b>0</b>	None
<b>2</b>	Network, 4 Cable Openings
<b>4</b>	Server, 2 Cable Openings
<b>5</b>	Vertical Exhaust Duct System <sup>1</sup> , 20"-34"H (508 mm-863 mm)
<b>6</b>	Vertical Exhaust Duct System <sup>1</sup> , 34"-60"H (863 mm-1523 mm)

<sup>1</sup>Use on 45.1"D (1147 mm) to 50.1"D (1297 mm) cabinets only. Recommend the use of an optional front air dam.

8. Color	
<b>C</b>	Black
<b>D</b>	Signature Blue
<b>E</b>	Glacier White
<b>F</b>	Steel Gray

7. Latches (Door)	
<b>A</b>	Single-Point, Slam Latch, Keyed Lock
<b>B</b>	Single-Point, Cam Latch, Keyed Lock
<b>C</b>	Two-Point, Cam Latch, Keyed Lock
<b>D</b>	Single-Point, Cam Latch, Combo Lock
<b>E</b>	Two-Point, Cam Latch, Combo Lock
<b>F</b>	Single-Point, Electronic Keypad Lock
<b>K</b>	Single-Point, Slam Latch, Combo Lock
<b>N</b>	None (use when NO DOORS selected)

6. Rear Door	
<b>0</b>	None
<b>1</b>	Single, Solid Metal
<b>2</b>	Single, Perforated Metal
<b>3</b>	Double, Perforated Metal

Note: Double door requires a two-point latch (C) or (E), see latches above.

5. Front Door	
<b>0</b>	None
<b>1</b>	Single, Perforated Metal
<b>2</b>	Single, Solid Lexan®
<b>3</b>	Single, Solid Metal

See notes on next page.

## Ordering Notes:

1. Height: Twelve heights are available. Frame height is height without the top panel. Cabinet height is height with the top panel installed. Frames and cabinets include leveling feet which add approximately 1" (25 mm) to the height of the cabinet. Accessory casters kits add approximately 2.8" (71 mm) to the height of the cabinet.
2. Width: Three widths are available. The 23.6"W (600 mm) cabinet will match 24"W (600 mm) access floor tiles. All widths include mounting rails spaced for 19" EIA equipment. Mounting rails are centered by standoff brackets within the frame. Wider cabinets have more space along the sides for cable management.
3. Depth: Seventeen depths are available. Frame depth is the outside depth of the frame. Rail depth is the maximum front-to-rear spacing of equipment mounting rails. Rail depth is reduced when accessories are added. Cabinet depth includes the front and rear doors. The footprint of the cabinet is frame width by frame depth.
4. Rail Style: Two mounting rail styles are available. Square-punched rails are preferred with rack-mount computer server and data storage equipment because they use snap-in cage nut hardware that can be changed to match equipment mounting requirements. Threaded rails speed installation of panel-mount network and cable termination equipment.
5. Front Door Style: Three front door panel styles are available: Perforated (vented) metal, solid tinted Lexan® and solid metal. The door matches the color of the cabinet and includes an anodized aluminum center beam. Doors can be reversed to open from the right or the left. The perforated door is preferred with rack-mount computer server and data storage equipment.
6. Rear Door Style: Three rear door styles are available. The double door reduces the amount of aisle space required to access the rear of the cabinet. Double doors must use two-point latches and cannot be used with the Standalone Electronic Keypad (see Note 7). If you select a double rear door and a single-point latch, the double door will have a two-point cam latch (C) or (E) with the same type of lock as the front door.
7. Door Latches: Seven styles of door latch are available. All doors must have a latch. The (N) option should only be selected if the cabinet has NO doors. Doors have a swing handle on the exterior. Choose a single-point or two-point latch. Double doors require a two-point latch. The slam latch is a spring-loaded latch that engages when the door is pushed closed. The cam latch requires the swing handle to be turned to secure the door in the closed position. The combination lock uses a 3-digit combination entered on 3-dials that are integrated into the swing handle or a key. The combination lock can be reprogrammed in the field. The electronic keypad is integrated into the swing handle on the front door. The keypad controls access to the front and rear door and can be programmed with up to five (4-digit to 6-digit) access codes from the keypad. The keypad requires a power connection. A networkable Electronic Locking System (ELS) is also available as an accessory.
8. Color: The frame, doors, side panels and top panel are painted the color of choice. Lexan front door panels are tinted. Mounting rails are zinc plated. Interior brackets are black.
9. Top Panel Style: There are three styles of top panel available. Network Top Panels have four large cable openings. Server Top Panels have two large cable openings. Server Top Panels on cabinets that are 45.1"D (1147 mm) or deeper have a knockout for the Vertical Exhaust Duct. Vertical Exhaust Duct System is only available for cabinets that are 45.1" (1147 mm) to 51.0"D (1297 mm). The system includes a top-mount Vertical Exhaust Duct, a Server Top Panel, an Airflow Director and a Rear Door Sealing Kit. Select from two duct height ranges: 20" to 34" (508 mm - 863 mm) or 34" to 60" (863 mm - 1523 mm) high. Use with a solid rear door.
10. Side Panel Style: Solid and vented side panels are available. Cabinets can be bayed with or without side panels installed. Order baying kits separately.



## Vertical Exhaust Duct Components

Upgrade your F-Series TeraFrame Cabinet to a ducted exhaust cabinet by adding the Vertical Exhaust Duct System Components necessary to isolate and guide hot air out of the top of the cabinet. Combine the Vertical Exhaust Duct System Components with an Air Dam Kit and Snap-In Filler Panels in a cabinet with a perforated front door, solid side panels and a solid rear door to create front-to-top airflow through the duct. Connect the duct to a drop ceiling plenum to isolate the hot air return path and keep the room and equipment cooler.

- TeraFrame Cabinets 45.1" D (1147 mm) to 51.0" D (1297 mm) equipped with a Server Top Panel include a field removable knockout for use in a Vertical Exhaust Duct applications
- Order the individual components separately to match your application requirements (Vertical Exhaust Duct, Airflow Director and a Rear Door Sealing Kit)
- Vertical Exhaust Duct telescopes to match ceiling height and has gaskets along the top edge to create a seal around the opening in the drop ceiling; two height ranges are available
- Airflow Director (P/N 34570-C00) causes hot server exhaust air to flow upward from the base of the cabinet to the top of the cabinet
- Rear Door Sealing Kit (P/N 34573-000) seals the space between the solid rear door and the cabinet frame so hot air does not escape, but flows upward toward the duct

For best results, use the Vertical Exhaust Duct System Components on cabinets configured with a perforated front door, solid side panels, a solid rear door, an Air Dam Kit and Snap-In Filler Panels.



P/N 34370-C0X



P/N 34570-C00

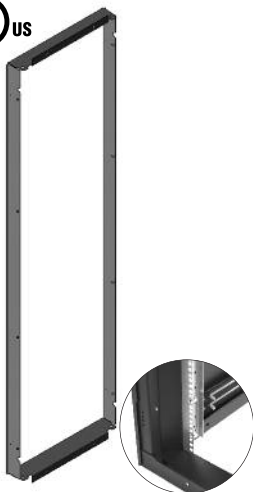
Part Number			Description Height in (mm)	Shipping Weight* lb (kg)
23.6" W (600 mm)	27.6" W (700 mm)	31.5" W (800 mm)		
34370-C00	34370-C00	34370-C02	Vertical Exhaust Duct, 20-34 (508 - 863)	31 (14.1)
34370-C01	34370-C01	34370-C03	Vertical Exhaust Duct, 34-60 (863 - 1523)	51 (23.1)

Note: Color is Black.

Part Number	Description	Shipping Weight lb (kg)
34570-C00	Airflow Director, Black	7 (3.2)
34573-000	Rear Door Sealing Kit for 600 & 700 mm	2 (0.9)
34573-C01	Rear Door Sealing Kit for 800 mm	2 (0.9)

Dimensions and Usable Area			
Cabinet Size in (mm)	Exterior Width in (mm)	Exterior Depth in (mm)	Internal Area
23.6 (600)	20.0 (509)	23.9 (609)	435.8 in <sup>2</sup>
27.6 (700)	23.9 (609)	20.0 (509)	435.8 in <sup>2</sup>
31.5 (800)	23.9 (609)	20.0 (509)	435.8 in <sup>2</sup>

Note: Dimensions do not include the rubber seal at the top of the duct.



Air Dam shown in cabinet

## Air Dam Kit

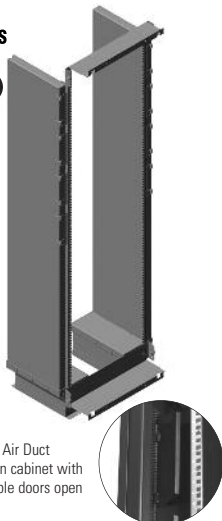
Use with Snap-In Filler Panels to block airflow around the top, bottom and sides of equipment. Requires a 1.7" (43 mm) mounting rail setback.

Part Number			Description	Shipping Weight* lb (kg)
23.6" W (600 mm)	27.6" W (700 mm)	31.5" W (800 mm)		
34521-X02	34522-X02	34523-X02	For 42U Cabinets	17 (7.7)
34521-X03	34522-X03	34523-X03	For 43U Cabinets	17 (7.7)
34521-X04	34522-X04	34523-X04	For 44U Cabinets	17 (7.7)
34521-X05	34522-X05	34523-X05	For 45U Cabinets	18 (8.2)
34521-X06	34522-X06	34523-X06	For 46U Cabinets	18 (8.2)
34521-X07	34522-X07	34523-X07	For 47U Cabinets	18 (8.2)
34521-X08	34522-X08	34523-X08	For 48U Cabinets	18 (8.2)
34521-X09	34522-X09	34523-X09	For 49U Cabinets	19 (8.6)
34521-X10	34522-X10	34523-X10	For 50U Cabinets	19 (8.6)
34521-X11	34522-X11	34523-X11	For 51U Cabinets	19 (8.6)

X=Color: C=Black, D=Signature Blue, E=Glacier White, F=Steel Gray. Not available for 24U and 36U cabinets. \*Shipping weight is for the 31.5" (800 mm) Air Dam Kit.



Patent Pending



Internal Air Duct shown in cabinet with adjustable doors open

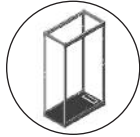
## Internal Air Duct

A passive duct (no fans) that moves additional cold air, up to 510 CFM at .1 inches of water (865 CMH at .02 kPa), from below the access floor to the top half of the cabinet to reduce hot spots in medium and high-density applications. Adjustable doors direct air to the front of equipment. The duct also blocks airflow around equipment so a separate Air Dam Kit is not required. Includes square-punched rails. Use on access floors only in cabinets without casters.

Part Number			Description	Shipping Weight lb (kg)
23.6" W (600 mm)	27.6" W (700 mm)	31.5" W (800 mm)		
34470-C02	34470-C14	N/A	For 42U Cabinets	66 (29.9)
34470-C03	34470-C15	N/A	For 43U Cabinets	62 (30.4)
34470-C04	34470-C16	N/A	For 44U Cabinets	68 (30.8)
34470-C05	34470-C17	N/A	For 45U Cabinets	69 (31.3)
34470-C06	34470-C18	N/A	For 46U Cabinets	70 (31.8)
34470-C07	34470-C19	N/A	For 47U Cabinets	71 (32.2)
34470-C08	34470-C20	N/A	For 48U Cabinets	72 (32.7)
34470-C09	34470-C21	N/A	For 49U Cabinets	73 (33.1)
34470-C10	34470-C22	N/A	For 50U Cabinets	74 (33.6)
34470-C11	34470-C23	N/A	For 51U Cabinets	74 (33.6)

Color is black. Not available for 24U and 36U cabinets. Note: Uses bottom two rack-mount units in the cabinet and reduces rail depth by 2.5" (64 mm). The depth of the frame must be a minimum 39.4" (1000 mm) when used with side panels. Shipping weight is for the 23.6" (600 mm) Internal Air Duct.

Estimated Airflow at .1 inches of water (.02 kPa)	
23.6" (600 mm)	210 CFM (356 CMH)
27.6" (700 mm)	510 CFM (865 CMH)



## Bottom Panel

The Bottom Panel covers the bottom of the F-Series TeraFrame Cabinet to block airflow into and out of the base of the cabinet. Includes one brush-sealed, 3" x 11.75" (76 mm x 292 mm) cable access port located at the rear center of the panel. Use with an Air Dam Kit and Snap-In Filler Panels to enhance front-to-rear or front-to-top airflow through cabinets when cabinets are supported on leveling feet or casters (elevated above the floor).

Part Number (by width)			Cabinet Frame Depth Size in (mm)	Shipping Weight lb (kg)
23.6" W (600 mm)	27.6" W (700 mm)	31.5" W (800 mm)		
35085-X00	35085-X17	35085-X34	For 31.5 (800)	19 (8.6)
35085-X01	35085-X18	35085-X35	For 32.5 (825)	19 (8.6)
35085-X02	35085-X19	35085-X36	For 33.5 (850)	20 (9.1)
35085-X03	35085-X20	35085-X37	For 34.4 (875)	20 (9.1)
35085-X04	35085-X21	35085-X38	For 35.4 (900)	21 (9.5)
35085-X05	35085-X22	35085-X39	For 36.4 (925)	21 (9.5)
35085-X06	35085-X23	35085-X40	For 37.4 (950)	21 (9.5)
35085-X07	35085-X24	35085-X41	For 38.4 (975)	22 (10.0)
35085-X08	35085-X25	35085-X42	For 39.4 (1000)	22 (10.0)
35085-X09	35085-X26	35085-X43	For 40.4 (1025)	23 (10.4)
35085-X10	35085-X27	35085-X44	For 41.3 (1050)	23 (10.4)
35085-X11	35085-X28	35085-X45	For 42.3 (1075)	23 (10.4)
35085-X12	35085-X29	35085-X46	For 43.3 (1100)	24 (10.9)
35085-X13	35085-X30	35085-X47	For 44.3 (1125)	24 (10.9)
35085-X14	35085-X31	35085-X48	For 45.3 (1150)	25 (11.3)
35085-X15	35085-X32	35085-X49	For 46.3 (1175)	25 (11.3)
35085-X16	35085-X33	35085-X50	For 47.2 (1200)	25 (11.3)

X=color: C=Black, D=Signature Blue, E=Glacier White, F=Steel Gray. Shipping weight is for the 31.5" (800 mm) Bottom Panel.



## 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" (560 mm) and 40"D (1020 mm).

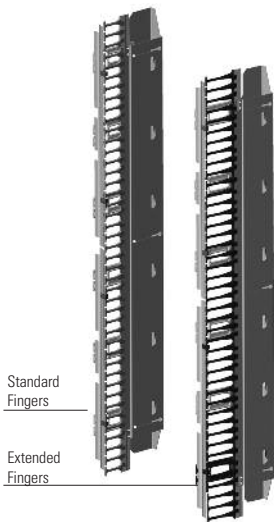
Part Number	Description H x W (in)	Shipping Weight lb (kg)
13517-701	1U x 19, Black	17 (7.7)

Note: Rack-Mount Cable Shelf can be used with all CPI four-post cabinets and racks.



# Vertical Cable Manager

Creates an internal pathway that guides and protects network and signal cables and organizes patch and equipment cords as they enter and exit the manager to make equipment connections. T-Shaped cable management guides (fingers) separate openings that align with each rack-mount unit in the cabinet to guide patch/equipment cords to specific connections.



Standard Fingers

Extended Fingers

### Outside Dimensions, Usable Internal Cable Area, Rail Setback

Cabinet Size in (mm)	Width in (mm)	Depth in (mm)	Cable Area	Rail Setback in (mm)
<b>Standard Fingers</b>				
23.6 (600)	1.9 (48)	10.5 (267)	7.1 in <sup>2</sup>	4.5 (115)
27.6 (700)	3.1 (79)	11.6 (295)	27 in <sup>2</sup>	4.5 (115)
31.5 (800)	5.0 (127)	11.6 (295)	46 in <sup>2</sup>	4.5 (115)
<b>Extended Fingers</b>				
27.6 (700)	3.1 (79)	14.1 (358)	34 in <sup>2</sup>	7 (178)
31.5 (800)	5.0 (127)	14.1 (358)	58 in <sup>2</sup>	7 (178)



Use the Slide Adapter Kit to attach Vertical Cable Managers to the cabinet frame instead of the equipment mounting rails.

Vertical Cable Manager with Standard Fingers				
Part Number			Description Height	Shipping Weight* lb (kg)
23.6" W (600 mm)	27.6" W (700 mm)	31.5" W (800 mm)		
34416-C01	35090-C00	35095-C00	For 24U Cabinets	14 (6.4)
34417-C01	35090-C01	35095-C01	For 36U Cabinets	18 (8.2)
34418-C01	35090-C02	35095-C02	For 42U Cabinets	20 (9.1)
34419-C01	35090-C03	35095-C03	For 43U Cabinets	20 (9.1)
34420-C01	35090-C04	35095-C04	For 44U Cabinets	21 (9.5)
34421-C01	35090-C05	35095-C05	For 45U Cabinets	21 (9.5)
34422-C01	35090-C06	35095-C06	For 46U Cabinets	21 (9.5)
34423-C01	35090-C07	35095-C07	For 47U Cabinets	22 (10.0)
34424-C01	35090-C08	35095-C08	For 48U Cabinets	22 (10.0)
34425-C01	35090-C09	35095-C09	For 49U Cabinets	22 (10.0)
34426-C01	35090-C10	35095-C10	For 50U Cabinets	23 (10.4)
34427-C01	35090-C11	35095-C11	For 51U Cabinets	23 (10.4)

Vertical Cable Manager with Extended Fingers				
Part Number Width			Description Height	Shipping Weight* lb (kg)
23.6" W (600 mm)	27.6" W (700 mm)	31.5" W (800 mm)		
N/A	35102-C00	35103-C00	For 24U Cabinets	14 (6.4)
N/A	35102-C01	35103-C01	For 36U Cabinets	18 (8.2)
N/A	35102-C02	35103-C02	For 42U Cabinets	20 (9.1)
N/A	35102-C03	35103-C03	For 43U Cabinets	20 (9.1)
N/A	35102-C04	35103-C04	For 44U Cabinets	21 (9.5)
N/A	35102-C05	35103-C05	For 45U Cabinets	21 (9.5)
N/A	35102-C06	35103-C06	For 46U Cabinets	21 (9.5)
N/A	35102-C07	35103-C07	For 47U Cabinets	22 (10.0)
N/A	35102-C08	35103-C08	For 48U Cabinets	22 (10.0)
N/A	35102-C09	35103-C09	For 49U Cabinets	22 (10.0)
N/A	35102-C10	35103-C10	For 50U Cabinets	23 (10.4)
N/A	35102-C11	35103-C11	For 51U Cabinets	23 (10.4)
Slide Adapter Kit				
N/A	35092-C01	35092-C02	Black	3 (1.4)

The depth of the frame must be a minimum 34.4" (875 mm) when used with Airflow Director or Quad Vertical Power Strip Manager and side panels. The depth of the frame must be a minimum 39.4" (1000 mm) when used with Wide Vertical Power Cord Manager and side panels. Color is black. \*Shipping weight is for the 31.5" (800 mm) Vertical Cable Manager.

For Recommended Cable Fill Table, go to [www.chatsworth.com/cablefill](http://www.chatsworth.com/cablefill)



## Front-to-Back Cable Manager

Adjustable depth tray connects a front-facing and a rear-facing Vertical Cable Manager to create a front-to-back cable pathway along the side of the cabinet. The large manager extends between 10" (250 mm) and 17" (430 mm). The small manager extends between 6" (150 mm) and 10" (250 mm). Sold in pairs.

Outside Dimensions and Usable Area			
Cabinet Size in (mm)	Height in (mm)	Width in (mm)	Internal Area in <sup>2</sup> (mm <sup>2</sup> )
27.6 (700)	2.5 (64)	2.4 (61)	4.6 (2370)
31.5 (800)	4.0 (102)	4.0 (102)	14 (9000)

Part Number			Description in (mm)	Shipping Weight* lb (kg)
23.6" W (600 mm)	27.6" W (700 mm)	31.5" W (800 mm)		
N/A	35106-C01	35108-C01	Large, Use With Rails Spaced 26 to 33 (660 to 840) Apart	4 (1.9)
N/A	35106-C02	35108-C02	Small, Use With Rails Spaced 22 to 26 (560 to 660) Apart	3 (1.4)

Color is black. \*Shipping weight is for the 31.5" (800 mm) Front-to-Back Cable Manager.



## Vertical Cable Ring Manager

Attaches to the side of the equipment mounting rails creating a vertical pathway for cables. Features plastic C-shaped cable management rings to guide and manage network cables, signal cables, patch and equipment cords. Available in small or large rings - each manager includes two half-height mounting brackets, cable rings and installation hardware.

- The (-C01) 36U manager includes six rings (three per bracket); the (-C11) 51U manager includes ten rings (five per bracket); all other managers include eight rings (four per bracket)
- Select managers to match cabinet frame height (rack-mount unit)
- Managers with small rings can be used in the 23.6"W (600 mm) cabinets only; managers with large rings can be used in the 27.6"W (700 mm) and 31.5"W (800 mm) cabinets only

Part Number		Description Height	Shipping Weight lb (kg)
Small	Large		
35100-C01	35101-C01	For 36U Cabinets	10 (4.5)
35100-C02	35101-C02	For 42U Cabinets	11 (5.0)
35100-C03	35101-C03	For 43U & 44U Cabinets	11 (5.0)
35100-C05	35101-C05	For 45U & 46U Cabinets	12 (5.4)
35100-C07	35101-C07	For 47U & 48U Cabinets	12 (5.4)
35100-C09	35101-C09	For 49U & 50U Cabinets	12 (5.4)
35100-C11	35101-C11	For 51U Cabinets	12 (5.4)

Color is black. Large ring managers will not fit 23.6"W (600 mm) F-Series Cabinets.



## PDU/Power Strip Lashing Bracket

Supports one or two CPI Vertical PDU/Power Strips for Cabinets and provides multiple attachment points for fastening power cable bundles and attaches to the cabinet frame behind the rear equipment mounting rails.

- Supports two 2.3" W (58 mm) or narrower or one 3.5" W (89 mm) CPI PDUs
- The manager is S-shaped, 8.375" W x 1.7" D (213 mm x 42 mm) and requires a minimum 5" (127 mm) equipment mounting rail setback

Part Number	Description Height	Shipping Weight lb (kg)
35086-C01	For 36U Cabinet	14 (6.4)
35086-C02	For 42U Cabinet	14 (6.4)
35086-C03	For 43U Cabinet	15 (6.8)
35086-C04	For 44U Cabinet	15 (6.8)
35086-C05	For 45U Cabinet	15 (6.8)
35086-C06	For 46U Cabinet	15 (6.8)
35086-C07	For 47U Cabinet	16 (7.3)
35086-C08	For 48U Cabinet	16 (7.3)
35086-C09	For 49U Cabinet	16 (7.3)
35086-C10	For 50U Cabinet	16 (7.3)
35086-C11	For 51U Cabinet	17 (7.7)

Color is black. (-C01) bracket is only compatible with 38.5" H (978 mm) power strip. (-C03) or taller bracket is required for 68.5" H (1740 mm) PDU. (-C04) or taller bracket is required for 70.5" H (1791 mm) PDU.



## Cable Lashing Bracket

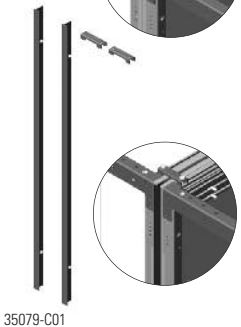
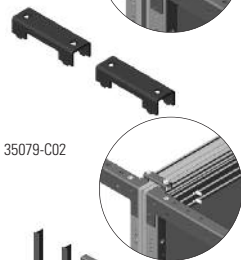
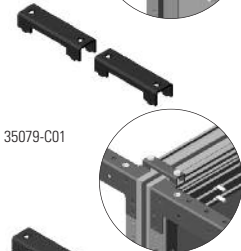
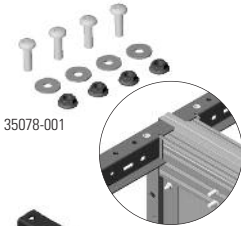
Provides attachment points to quickly secure cable bundles within the cabinet.

- C-shaped bracket, 5.125" W x .7" D (130 mm x 17 mm)
- Bracket attaches to the cabinet frame and requires a minimum 5" (127 mm) equipment mounting rail setback when positioned behind the rear equipment mounting rails

Part Number	Description Height	Shipping Weight lb (kg)
35087-C00	For 24U Cabinet	8 (3.6)
35087-C01	For 36U Cabinet	11 (5.0)
35087-C02	For 42U Cabinet	12 (5.4)
35087-C03	For 43U Cabinet	13 (5.9)
35087-C04	For 44U Cabinet	13 (5.9)
35087-C05	For 45U Cabinet	13 (5.9)
35087-C06	For 46U Cabinet	14 (6.4)
35087-C07	For 47U Cabinet	14 (6.4)
35087-C08	For 48U Cabinet	15 (6.8)
35087-C09	For 49U Cabinet	15 (6.8)
35087-C10	For 50U Cabinet	15 (6.8)
35087-C11	For 51U Cabinet	15 (6.8)

Color is black.

See Section 7 for available PDU/Power Strips.



## Baying Kits

### Zero Spacing Baying Kit

Includes M6 hardware to bay two cabinets (same height and depth) side-by-side with or without side panels for simplified installation when no space is required between the cabinets. Each kit includes four M6 screws, washers and nuts.

### 24" (610 mm) Baying Bracket Kit

Includes brackets and hardware to bay two 23.6" (600 mm) cabinets so that the cabinets are centered over 24"W (610 mm) raised access floor tiles. Note that there will be a .4" (10 mm) gap between the cabinets. Each kits includes two .8"H x 3.6"W x 1.0"D (20 mm x 92 mm x 25 mm) C-shaped brackets attach to the tops of the cabinet frames at the front and rear. Installation hardware allows cabinets of different depths to be bayed together.

### Narrow Baying Kit

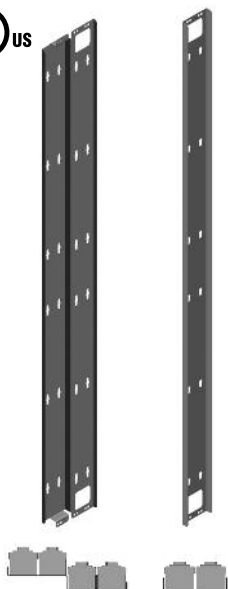
Includes brackets and hardware that bay two cabinets with or without side panels. Each kit includes two .8"H x 3.2"W x 1.0"D (20 mm x 82 mm x 25 mm) C-shaped brackets that attach to the tops of the cabinet frames at the front and rear and installation hardware. Allows cabinets of different depths to be bayed together.

### 24" (610 mm) Baying & Fascia Kit

Allows you to bay and center two 23.6"W (600 mm) cabinets over 24"W (610 mm) raised access floor tiles. The kits includes two brackets and hardware to space and connect the cabinets together and two fascias that cover and hide the 0.4" (10 mm) gap between the cabinets. Each kit includes two .8"H x 3.6"W x 2.0"D (20 mm x 92 mm x 50 mm) C-shaped brackets that attach to the tops of the cabinet frames at the front and rear, two 1"W (25 mm) T-shaped fascias and installation hardware to bay the cabinets. Cabinets must be the same height and depth.

Part Number	Description in (mm)	Compatible Seal Kit	Shipping Weight lb (kg)
35078-001	Zero Spacing Baying Kit	35081-000	1 (0.5)
35079-X01	24 (600) Baying Brackets	35081-001	1 (0.5)
35079-X02	Narrow Baying Kit	35081-003	1 (0.5)
35080-X00	24 (600) Baying & Fascia Kit, for 24U	35081-001*	9 (4.1)
35080-X01	24 (600) Baying & Fascia Kit, for 36U	35081-001*	11 (5.0)
35080-X02	24 (600) Baying & Fascia Kit, for 42U	35081-001*	12 (5.4)
35080-X03	24 (600) Baying & Fascia Kit, for 43U	35081-001*	12 (5.4)
35080-X04	24 (600) Baying & Fascia Kit, for 44U	35081-001*	12 (5.4)
35080-X05	24 (600) Baying & Fascia Kit, for 45U	35081-001*	13 (5.9)
35080-X06	24 (600) Baying & Fascia Kit, for 46U	35081-001*	13 (5.9)
35080-X07	24 (600) Baying & Fascia Kit, for 47U	35081-001*	13 (5.9)
35080-X08	24 (600) Baying & Fascia Kit, for 48U	35081-001*	13 (5.9)
35080-X09	24 (600) Baying & Fascia Kit, for 49U	35081-001*	13 (5.9)
35080-X10	24 (600) Baying & Fascia Kit, for 50U	35081-001*	14 (6.4)
35080-X11	24 (600) Baying & Fascia Kit, for 51U	35081-001*	14 (6.4)

X=Color: C=Black, D=Signature Blue, E=Glacier White, F=Steel Gray. Use Seal Kits when side panels are omitted. (\*Use Seal Kit 35081-001 if one panels is omitted and 35081-002 if both panels are omitted between cabinets. \*\*Shipping weight is for Baying Kit.



## Vertical Power Strip Manager

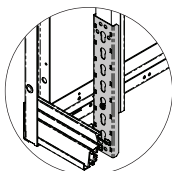
Create a separate pathway specifically for two or four CPI Vertical Power Strips for cabinets along the side of the cabinet. Attaches to the cabinet frame and adjusts in depth to match equipment.

- Supports 1.8"W (45 mm) or narrower CPI PDUs or power strips
- The Dual Vertical Power Strip Manager is C-shaped, 4.3"W x 1"D (110 mm x 25 mm), requires a 6.3" (160 mm) rail setback and supports two PDU/power strips
- The Quad Vertical Power Strip Manager is S-shaped, 8.4"W x 1.7"D (213 mm x 43 mm), requires an 8.7" (221 mm) rail setback and supports four PDU/power strips

See diagram at left.

Part Number		Description Height	Shipping Weight lb (kg)
Dual	Quad		
34595-C01	34596-C01	For 36U Cabinet	14 (6.4)
34595-C02	34596-C02	For 42U Cabinet	14 (6.4)
34595-C03	34596-C03	For 43U Cabinet	15 (6.8)
34595-C04	34596-C04	For 44U Cabinet	15 (6.8)
34595-C05	34596-C05	For 45U Cabinet	15 (6.8)
34595-C06	34596-C06	For 46U Cabinet	15 (6.8)
34595-C07	34596-C07	For 47U Cabinet	16 (7.3)
34595-C08	34596-C08	For 48U Cabinet	16 (7.3)
34595-C09	34596-C09	For 49U Cabinet	16 (7.3)
34595-C10	34596-C10	For 50U Cabinet	16 (7.3)
34595-C11	34596-C11	For 51U Cabinet	17 (7.7)

Color is black. (-C01) manager is only compatible with 38.5"H (978 mm) power strip. (-C03) or taller Dual Manager is required for 68.5"H (1740 mm) PDU. (-C04) or taller Dual Manager is required for 70.5"H (1791 mm) PDU. (-C04) or taller Quad Manager is required for 68.5"H (1740 mm) PDU. (-C05) or taller Quad Manager is required for 70.5"H (1791 mm) PDU.



34434 shown installed in TeraFrame

## Power Strip Bracket Kit

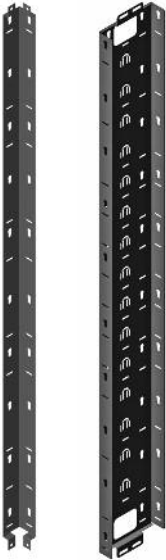
Use the Power Strip Mounting Bracket Kit with 42U to 47U high cabinets to attach a single 2.0"W (51 mm) or narrower CPI Vertical Power Strip or PDU for cabinets to a F-Series TeraFrame Cabinet. The kit includes two mounting brackets and installation hardware. See Section 7 for Power Strip and PDU information.

- Not compatible with 38.5"H (978 mm) Power Strips
- Use 43U or higher cabinets with 68.5"H (1740 mm) PDUs
- Use 44U or higher cabinets with 70.5"H (1791 mm) PDUs

Part Number	Description in (mm)	Shipping Weight lb (kg)
34434-C01	66 (1676) Power Strip Mounting Bracket Kit	5 (2.3)

Color is black.





Images demonstrate power strips mounted within the narrow and wide power cord manager

## Vertical Power Cord Manager

Creates a separate pathway specifically for one or two CPI Vertical Power Strips for cabinets along the side of the cabinet. Attaches to the cabinet frame and adjusts in depth to match equipment.

- The narrow manager is L-shaped, 2.5"W x 2.5"D (63 mm x 63 mm), requires a 6" (152 mm) rail setback and supports a single 1.8"W (45 mm) or narrower 66.3"L (1684 mm) power strip
- The wide manager is C-shaped, 8"W x 2"D (203 mm x 51 mm), requires an 11" (279 mm) rail setback and supports two 2.3"W (58 mm) or narrower 66.3"L (1684 mm) power strips

See diagrams at left.

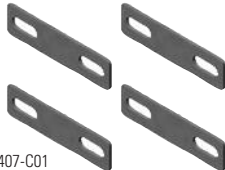
Part Number		Description Height	Shipping Weight lb (kg)
Narrow	Wide		
34581-C42	34582-C42	For 42U Cabinet	15 (6.8)
34581-C43	34582-C43	For 43U Cabinet	16 (7.3)
34581-C44	34582-C44	For 44U Cabinet	16 (7.3)
34581-C45	34582-C45	For 45U Cabinet	16 (7.3)
34581-C46	34582-C46	For 46U Cabinet	16 (7.3)
34581-C47	34582-C47	For 47U Cabinet	16 (7.3)
34581-C48	34582-C48	For 48U Cabinet	17 (7.7)
34581-C49	34582-C49	For 49U Cabinet	17 (7.7)
34581-C50	34582-C50	For 50U Cabinet	17 (7.7)
34581-C51	34582-C51	For 51U Cabinet	17 (7.7)

Not available for 24U and 36U cabinets. Color is black. For 66.3"L (1684) power strip only; does not support 68.5"L (1740) or 70.5"L (1791) PDUs.

\*Shipping weight is for the wide cable manager.



34413-C01



34407-C01

## Power Cord Accessories

Add the Power Cord Management Kit to the Wide Vertical Power Cord Manager to take up power cable slack.

- Includes (6) 4"H (100 mm) spools and (6) Saf-T-Grip® Cable Management Straps

Attach non-CPI power strips or PDUs to the Wide Vertical Power Cord Manager with this hardware kit (P/N 34407-C01).

Part Number	Description	Shipping Weight lb (kg)
34413-C01	6 Spools, 6 Straps, Black	2 (0.9)
34407-C01	Mounting Bracket, Black	4 (1.8)



## Floor Anchor Bracket

Use to secure TeraFrame to the floor. Floor Anchor Brackets fit over leveling feet and provide a bolt-down point for the cabinet. One set of Floor Anchor Brackets are included with each cabinet. This is a replacement kit. Order floor attachment hardware separately.

Part Number	Description	Shipping Weight lb (kg)
34587-001	Set of 4 Brackets	4 (1.8)
40604-003	Installation Kit, Concrete Slab	1 (0.5)



## Caster Kit

Front casters are full-swivel. Caster Kit adds 2.8" (71 mm) to the overall height of the cabinet.

- Includes four casters and mounting hardware

Part Number	Description	Shipping Weight lb (kg)
35051-C01	Set of 4 Casters, Black	25 (11.8)



40605

## Mounting Hardware

TeraFrame can be fitted with threaded or square-punched equipment mounting rails. Use screws to secure equipment to threaded mounting rails. Use cage nuts to secure equipment to square-punched mounting rails. With square-punched rails, you can change the thread (cage nut) to match equipment mounting hardware requirements.



12637

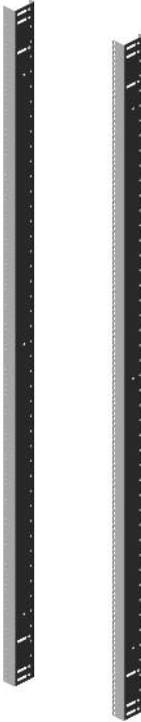
12638

12639

Part Number	Description	Shipping Weight lb (kg)
40605-001	Screws, #12-24, Package of 50, Zinc	1 (0.5)
40605-005	Screws, #12-24, Package of 50, Black	1 (0.5)
12637-001	Cage Nuts and Screws, M6, Package of 25, Gold	1 (0.5)
12638-001	Cage Nuts and Screws, #10-32, Package of 25, Zinc	1 (0.5)
12639-001	Cage Nuts and Screws, #12-24, Package of 25, Black	1 (0.5)
35058-001	Hardware Kit, Rail Support, (16) M8 Drop-In Nuts/Bolts, Package of 16, Zinc	3 (1.4)

## Mounting Rails

Two mounting rail styles are available. Select square-punched rails for servers and data storage equipment. Square-punched rails let you change threads (cage nuts) at mounting locations to match equipment requirements. Select tapped rails to speed installation of rack-mount patch panels and network equipment. The 23.6" W (600 mm) rails attach to the cabinet frame. The 27.6" (700 mm) and 31.5" W (800 mm) rails include standoff brackets that center the rails for 19" EIA spacing. Sold in pairs, each rack-mount unit is marked and numbered on the rails.



Part Number			U	Shipping Weight lb (kg)
23.6" (600 mm)	27.6" (700 mm)	31.5" (800 mm)		
<b>Square-Punched Equipment Mounting Rails</b>				
35009-000	35009-012	35009-024	24	28 (12.7)
35009-001	35009-013	35009-025	36	35 (15.9)
35009-002	35009-014	35009-026	42	38 (17.2)
35009-003	35009-015	35009-027	43	39 (17.7)
35009-004	35009-016	35009-028	44	40 (18.1)
35009-005	35009-017	35009-029	45	40 (18.1)
35009-006	35009-018	35009-030	46	41 (18.6)
35009-007	35009-019	35009-031	47	41 (18.6)
35009-008	35009-020	35009-032	48	42 (19.1)
35009-009	35009-021	35009-033	49	42 (19.1)
35009-010	35009-022	35009-034	50	43 (19.5)
35009-011	35009-023	35009-035	51	44 (20.0)
<b>#12-24 Tapped Equipment Mounting Rails</b>				
35008-000	35008-012	35008-024	24	28 (12.7)
35008-001	35008-013	35008-025	36	35 (15.9)
35008-002	35008-014	35008-026	42	38 (17.2)
35008-003	35008-015	35008-027	43	39 (17.7)
35008-004	35008-016	35008-028	44	40 (18.1)
35008-005	35008-017	35008-029	45	40 (18.1)
35008-006	35008-018	35008-030	46	41 (18.6)
35008-007	35008-019	35008-031	47	41 (18.6)
35008-008	35008-020	35008-032	48	42 (19.1)
35008-009	35008-021	35008-033	49	42 (19.1)
35008-010	35008-022	35008-034	50	43 (19.5)
35008-011	35008-023	35008-035	51	44 (20.0)

Mounting rails and standoff brackets are zinc plated.

\*Shipping weight is for the 31.5" W (800 mm) tapped rail.

For F-Series TeraFrame Cabinets manufactured before February 9, 2009, contact CPI Technical Support for assistance with part numbers at 800-834-4949.

## The F-Series TeraFrame® HD Cabinet System

Metric footprint for international use

Available in 600 mm width, three heights and two depths

Includes two pairs of sliding, continuously adjustable equipment mounting rails to provide front and rear support for 19"W (482.6 mm) EIA/ECA-310-E compliant rack-mount equipment and shelves

Mounting rails have 1.75"H (44.45 mm) rack-mount units and are available with square-punched holes that accept cage nuts; rack-mount units are marked and numbered bottom-to-top on all rails

Includes a single-point cam latch with keyed locks

Includes a single, perforated, curved metal front door (79% open); reversible to open from the right or left, easy to remove at 90° open position.

Open base for cable entry; includes leveling feet heavy-duty casters with roller bearings for superior, long-term performance.

A bottom panel is available as an accessory.

Choose a solid top panel with two (server-style) brush-sealed network cable access ports or use the Vertical Exhaust Duct option with high heat density applications to isolate and remove hot air from the room

Heavy-Duty, welded steel and bolted aluminum frame construction supports up to 3000 lb (1360.0 kg) of equipment in a dynamic environment.

Easy to remove solid side panels have recessed spring-loaded latches with keyed locks; cabinets can be bayed (side-by-side) with side panels installed

Choose a solid metal, perforated metal or double, perforated metal rear door

The mounting rails, top panel, side panels and doors are electrically bonded to the cabinet frame; a ground terminal block is included to attach the frame to the CBN or TGB

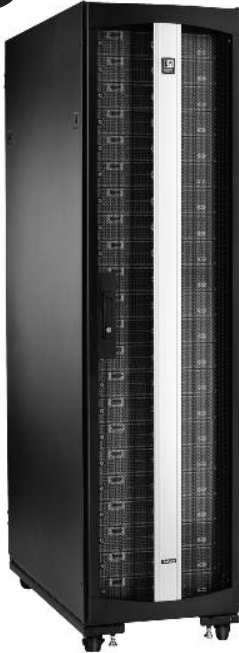
Organize network cables, power strips and power cords along the sides of the cabinet with optional side-mounted vertical cable managers and vertical power strip managers

Heavy-duty shock pallet and re-usable cushioned carton allow the cabinet to be reshipped after equipment is installed.

Heavy-duty welded steel ramp provides a safe method for unloading the cabinet from the pallet upon arrival at customer site.

**Static & dynamic load rating of 3000 lb (1360 kg)**

NEW!



## F-Series TeraFrame® HD Cabinet System

The F-Series TeraFrame® HD Cabinet System is designed for safe transportation of up to 3,000 lb (1360 kg) of electronic equipment from a factory integration site direct to the customer's datacenter.

Every cabinet includes two pairs of sliding, continuously adjustable equipment mounting rails with square-punched mounting holes for compatibility with most rack-mount equipment. In addition, the F-Series TeraFrame HD Cabinet system includes heavy duty casters with roller bearings for superior long-term performance under load, a shock pallet, and a re-usable cushioned carton for protection during shipment.

The top panel includes large brush-covered cable openings that will handle large bundles of cables while preventing undesirable hot air re-circulation. The top panel includes a removable cover plate allowing the use of a Vertical Exhaust Duct for high-density applications. Cabinets include solid side panels to protect equipment.

Heavy-duty steel ramp is an optional accessory designed to simplify unloading the populated cabinet from the shock pallet. An optional bolt-down kit allows the cabinet to be securely anchored to the floor structure and can be installed prior to the cabinet's arrival to minimize installation time. Combine the F-Series TeraFrame HD Cabinet with thermal and cable management accessories to create a custom solution that fits your exact needs.

### Cabinet Specifications:

- Available in 600 mm width, 3 heights and 2 depths
- Provides front and rear support for 19"W EIA equipment and shelves with two pairs of adjustable depth rack-mount unit marked and numbered equipment mounting rails
- Includes grounding and bonding kit
- Includes leveling feet and casters
- Can be ordered with a server top panel or Vertical Exhaust Duct
- Choose from three rear door styles
- Heavy-duty welded steel and bolted aluminum frame construction
- Load rating:
  - 3000 lb (1360 kg) static
  - 3000 lb (1360 kg) dynamic

### Cabinet Includes:

- (1) Four-post frame (painted finish)
- (4) Vertical Mounting Rails (square-punched)
- (1) Grounding/Bonding Kit
- (2) Locking, Solid Side Panels
- (1) Front Door
- (1) Rear Door
- (1) Top Panel
- (4) Leveling Feet and casters
- (1) Bag of 25 Each M6 Cage Nuts and Screws (square-punched rails)
- (1) Shock pallet rated for 3000 lb of equipment (excluding cabinet weight)
- (1) Re-usable cushioned carton

See following pages for ordering information.

# F-SERIES TERAFRAME® HD CABINET SYSTEM

Use the part number matrix below to select a F-Series TeraFrame HD Cabinet. Choose the **Height**, **Width**, **Depth**, **Rail Style**, **Front Door**, **Rear Door**, **Latch**, **Color**, **Top Panel** and **Side Panel** style to form a part number. To order the cabinet with accessories installed, contact CPI Technical Support. Example Part Number: *FHD-F1U-111B-C52*

**FHD - H W D - R FD RD L - C TP SP**

## 1. Height

Cabinet		Frame		U	C
in	mm	in	mm		
82.5	2096	78.1	1984	42	<b>C</b>
87.7	2228	83.4	2118	45	<b>F</b>
91.2	2316	86.9	2207	47	<b>H</b>

*Cabinet height includes casters.*

## 2. Width

Cabinet		EIA	Frame		1
in	mm		in	mm	
23.6	600	19"	23.4	594	<b>1</b>

## 3. Depth

Cabinet		Rails		Frame		M
in	mm	in	mm	in	mm	
46.1	1172	39.4	1001	42.3	1075	<b>U</b>
51.0	1297	44.3	1126	47.2	1200	<b>U</b>

## 4. Rail Style

Square-Punched, 2 Pair	<b>1</b>
------------------------	----------

## 10. Side Panel Style

2	Solid, 2 each
---	---------------

## 9. Top Panel Style

4	Server, 2 Cable Openings
5	Vertical Exhaust Duct System, 20"-34"H (508 mm-863 mm)
6	Vertical Exhaust Duct System, 34"-60"H (863 mm-1523 mm)

*Use a solid rear door with Vertical Exhaust Duct.*

## 8. Color

C	Black
---	-------

## 7. Latches (Door)

B	Single-Point, Cam Latch, Keyed Lock
---	-------------------------------------

*The rear double-door will have a two-point latch.*

## 6. Rear Door

1	Single, Solid Metal
2	Single, Perforated Metal
3	Double, Perforated Metal

## 5. Front Door

1	Single, Perforated Metal
---	--------------------------

### Ordering Notes:

- Height: Three heights are available. The cabinet height is the overall height of the cabinet with a top panel and casters. The frame height is the height of the internal frame without the top panel or casters. Casters add approximately 4.2 inches (107 mm) to the height of the frame and cabinet.
- Width: Overall cabinet width with side panels is 23.6 inches (600 mm). The cabinet includes equipment mounting rails spaced for 19" EIA (482.6 mm) rack-mount equipment.
- Depth: Two depths are available. Cabinet depth is the overall depth of the cabinet including doors. Frame depth is the outside depth of the frame excluding doors. Doors add approximately 3.8 inches (97 mm) to overall depth. Rail depth is the maximum front-to-rear spacing of equipment mounting rails. Rail depth is reduced by an equipment mounting rail setback when accessories are added.
- Rail Style: Square-punched rails use snap-in cage nut hardware that can be changed to match equipment requirements. Order additional mounting hardware as required.
- Front Door Style: The door matches the color of the cabinet and includes an anodized aluminum center beam.
- Rear Door Style: Three rear door styles are available. The double-door reduces the amount of aisle space required to access the rear of the cabinet. Double doors have two-point latches. A single solid metal door must be used when the Vertical Exhaust Duct System top panel style is selected.
- Latches: All doors have a swing handle. Single doors have a single-point cam latch with keyed lock; the double-door has a two-point cam latch with keyed lock. The keyed lock includes a physical key which matches the locks on the doors and side panels.
- Color: The frame, doors, side panels and top panel are painted black. Mounting rails are zinc plated.
- Top Panel Style: There are two styles of top panel available. Server Top Panels have two large brush-sealed cable openings and include a removable cover plate for the Vertical Exhaust Duct. The Vertical Exhaust Duct System includes a Server Top Panel, a top-mount Vertical Exhaust Duct, an Airflow Director and a Rear Door Sealing Kit. Select from duct height ranges: 20" to 34" (508 mm – 863 mm) or 34" to 60" (863 mm – 1523 mm) high to match ceiling height. Use with a single solid rear door.
- Side Panel Style: Side panels are solid. Cabinets are bayed with side panels installed. Order baying kits separately.

**Accessories on following pages.**

**NEW!**

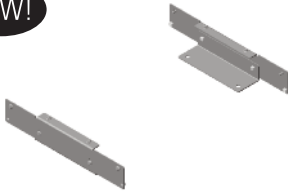


## Unloading Ramp

Safely remove a loaded cabinet from the shock pallet at the customer site with this re-usable, heavy-duty steel unloading ramp. The ramp is 78 inches (1981 mm) long, provides a 5° incline and has U-shaped narrow width tracks to capture casters and maintain straight travel. The ramp bolts to the shock pallet to ensure the ramp and pallet remain connected during unloading and includes multiple full width shims to safely compensate for any settling of the shock pallet during shipping. Order one per customer site.

Part Number	Description	Shipping Weight lb (kg)
16280-C01	Unloading Ramp, Black	185 (83.9)

**NEW!**



## Bolt Down Kit

Securely anchor F-Series TeraFrame HD Cabinets to the floor structure for stability with the Bolt Down Kit. The kit includes two heavy-duty two-piece steel brackets that attach to the cabinet frame and provide a wide flange for floor mounting. The brackets can be installed prior to cabinet arrival. The two-piece design simplifies installation. Disassemble the brackets and mount the L-shaped floor flanges, roll cabinets into place and secure the cabinets to the floor flanges with the remaining bracket. Once installed, the Bolt-Down Kit covers the opening between the cabinet frame and floor at the front and rear of the cabinet concealing the casters and providing a barrier that minimizes air leakage underneath the cabinet. Order required floor anchor hardware separately.

Part Number	Description	Shipping Weight lb (kg)
16279-C01	Bolt Down Kit, Black	14 (6.4)

**NEW!**



## Side Skirt

Use the Side Skirt with the Bolt Down Kit (P/N 16279-X01) to cover the space along the side of the cabinet between the bottom of the cabinet frame and the floor. The Side Skirt attaches to the Bolt Down Kit, conceals the casters and provides a barrier that minimizes air leakage under the cabinet. Use one Side Skirt on each end of multi-cabinet rows. Each kit includes one cover and installation hardware. Select the depth to match the cabinet.

Part Number	Description Cabinet Frame Depth in (mm)	Shipping Weight lb (kg)
16277-C11	For 42.3 (1075), Black	6 (2.7)
16277-C16	For 47.2 (1200), Black	6 (2.7)

*Note: Must be used with a Bolt Down Kit.*

**NEW!**



## Baying and Fascia Kit

Allows you to bay and center two F-Series TeraFrame HD Cabinets over 24 inch wide (610 mm) raised access floor tiles. The kit includes two brackets and hardware to space and connect the cabinets together and two fascias that cover and hide the 0.4 inch (10 mm) gap between the cabinets. Cabinets must be the same height and depth. Select the height to match the cabinet.

Part Number	Description	Shipping Weight lb (kg)
16271-C02	For 42U Cabinets, Black	10 (4.5)
16271-C05	For 45U Cabinets, Black	10 (4.5)
16271-C07	For 47U Cabinets, Black	10 (4.5)

**NEW!**

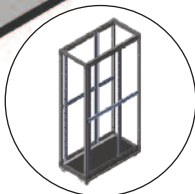
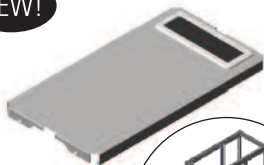


## Air Dam Kit

The Air Dam Kit blocks airflow around the top, bottom and sides of the rack-mount space inside the cabinet. Use Snap-In Filler Panels with Air Dam Kit to separate hot and cold air inside the cabinet. The kit requires a 1.7 inch (43 mm) to 2.5 inch (63 mm) equipment mounting rail setback. Select the height to match the cabinet.

Part Number	Description	Shipping Weight lb (kg)
16270-C02	For 42U Cabinets, Black	12 (5.4)
16270-C05	For 45U Cabinets, Black	13 (5.9)
16270-C07	For 47U Cabinets, Black	13 (5.9)

**NEW!**



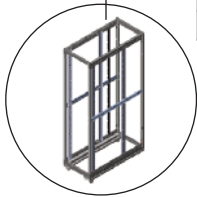
## Bottom Panel

The Bottom Panel covers the bottom of the cabinet and blocks airflow into and out of the base of the cabinet. The two-piece telescoping design fits all F-Series TeraFrame HD Cabinets. The Bottom Panel includes one brush-sealed 3 inch by 11.75 inch (76 mm x 292 mm) cable access port located at the rear center of the panel. Use Bottom Panel with an Air Dam Kit and Snap-In Filler Panels to enhanced front-to-rear or front-to-top airflow through TeraFrame HD Cabinets.

Part Number	Description	Shipping Weight lb (kg)
16278-C01	Bottom Panel, Black	19 (8.6)



**NEW!**

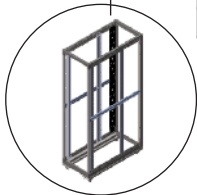


## Cable Lashing Bar

Use the Cable Lashing Bar to secure a single network or power cable bundle within the cabinet using Saf-T-Grip Straps or cable ties. The bar features notched edges to ensure Saf-T-Grips and cable ties do not slide and maintain their vertical position. The bar attaches to the cabinet frame and is only 1.5 inches (38 mm) wide allowing multiple bars to be placed side-by-side within the cabinet. The bar requires a minimum 4 inch (102 mm) equipment mounting rail setback. Select the bar to match cabinet height.

Part Number	Description	Shipping Weight lb (kg)
16272-C02	For 42U Cabinets, Black	7 (3.2)
16272-C05	For 45U Cabinets, Black	8 (3.6)
16272-C07	For 47U Cabinets, Black	8 (3.6)

**NEW!**

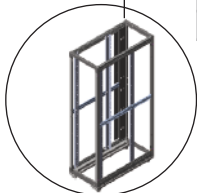


## Cable Lashing Bracket

Use the Cable Lashing Bracket to secure multiple network or power cable bundles within the cabinet using Saf-T-Grip Straps or cable ties. The bracket features U-shaped attachment points for Saf-T-Grips or cable ties. The bracket attaches to the cabinet frame and is 5.125 inches (130 mm) wide. The bracket requires a minimum 5 inch (127 mm) equipment mounting rail setback. Select the bracket to match cabinet height.

Part Number	Description	Shipping Weight lb (kg)
16273-C02	For 42U Cabinets, Black	12 (5.4)
16273-C05	For 45U Cabinets, Black	13 (5.9)
16273-C07	For 47U Cabinets, Black	14 (6.4)

**NEW!**



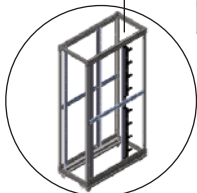
## Power Strip Lashing Bracket

Supports one 3.5 inch (89 mm) wide or two 2.3 inch (58 mm) wide CPI Vertical PDU/Power Strips for Cabinets and provides multiple attachment points for fastening power cable bundles with Saf-T-Grip Straps or cable ties. The bracket attaches to the cabinet frame and is 8.375 inches (213 mm) wide. Power strip mounting holes are spaced 64.75 inch (1645 mm) or 36.75 inch (934 mm) apart. The bracket requires a minimum 5 inch (127 mm) equipment mounting rail setback. Select the bracket to match cabinet height.

Part Number	Description	Shipping Weight lb (kg)
16274-C02	For 42U Cabinets, Black	14 (6.4)
16274-C05	For 45U Cabinets, Black	15 (6.8)
16274-C07	For 47U Cabinets, Black	16 (7.3)

*Note: -C05 or taller bracket required for 68.5"H (1740 mm) and 70.5"H (1791 mm) PDUs.*

**NEW!**



## Vertical Cable Ring Manager

The Vertical Cable Ring Manager attaches to the side of the cabinet's equipment mounting rails to create a vertical pathway for cables. Plastic C-shaped cable management rings guide and manage cables. The rings are approximately 1.4 inches (104 mm) wide and 4 inches (100 mm) deep. The manager requires a minimum 4.8 inch (122 mm) equipment mounting rail setback. Select the manager to match cabinet height.

Part Number	Description	Shipping Weight lb (kg)
16275-C02	For 42U Cabinets, Black	5 (2.3)
16275-C05	For 45U Cabinets, Black	5 (2.3)
16275-C07	For 47U Cabinets, Black	6 (2.7)

# The N-Series TeraFrame® Network Cabinet

Metric footprint for international use

Available in 10 heights and 11 depths (110 standard sizes)

Includes two pairs of equipment mounting rails to provide front and rear support for 19" EIA-310-D compliant equipment and shelves; mounting rails have 1.75"H (44.45 mm) rack-mount units and are available with square-punched or threaded attachment points

Rack-mount units are marked and numbered on each mounting rail

Choose keyed or combination/keyed locks; order Right Hand Door Latch Kit (P/N 34684-C02) to reverse front door swing

Network Cabinet comes with single, perforated front door with handle and two-point latch swing

The Network Switch Exhaust Duct guides hot exhaust air from the side of rack-mount switches out the rear door

Standoff Brackets offset doors and side panels to provide extra space around equipment for enhanced side-to-side airflow and additional cable management

Comes with a five-piece top panel, center panel and four perimeter panels (front, sides, rear) with cable knockouts

Frames are welded steel and support up to 2500 lb (1134.0 kg) of equipment

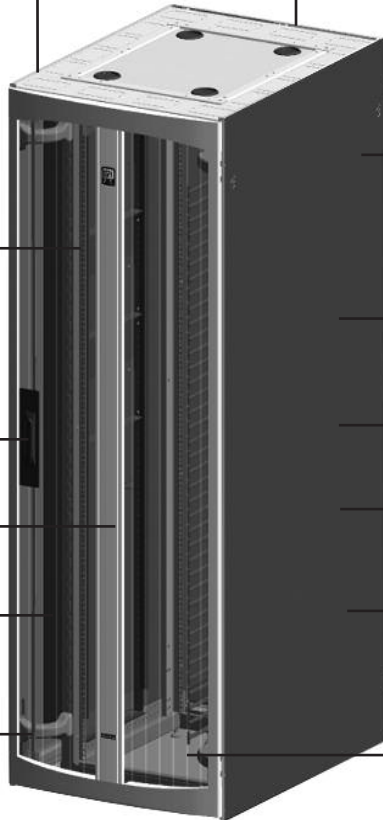
Choose solid or vented easy to remove side panels; side panels have recessed latches with keyed locks

Cabinets can be bayed (side-by-side) when side panels are removed

Cabinet comes with a double, perforated rear door with swing handle and two-point latch

Organize power strips and power cords along the sides of the cabinet with optional side-mounted vertical power strip managers

Open base for cable entry; includes leveling feet and floor attachment brackets (casters are available as an accessory)



Designed specifically to control side-to-side airflow for network switch equipment deployed in a hot aisle/cold aisle data center environment

## N-Series TeraFrame® Network Cabinet

The N-Series TeraFrame® Network Cabinet provides an engineered solution for network switches and cabling in data centers with hot aisle/cold aisle layouts, delivering superior thermal management for high-density applications.

Featuring offset doors and side panels, the N-Series TeraFrame Network Cabinet provides extra interior space around the cabinet frame for cable management and enhanced airflow. Select the Network Switch Exhaust Duct option when deploying network switches that require side-to-side airflow. The Network Switch Exhaust Duct isolates and re-directs hot exhaust air out the rear of the cabinet to help prevent the re-circulation of hot air through equipment and establishes proper airflow for a hot aisle/cold aisle layout.

The N-Series TeraFrame Network Cabinet includes vertical cable guides and cable management spools to help organize cables. The guides are T-shaped with openings that align with each rack-mount unit on the rack and attach to the front of the cabinet frame. The spools attach to the side of the cabinet frame and help guide cables along the side of the cabinet preventing them from accidentally blocking air intakes on switch chassis. Use the vertical cable guides and cable management spools to route cables to the sides of switches to maintain full access to the switch I/O and fan modules.

### Specifications:

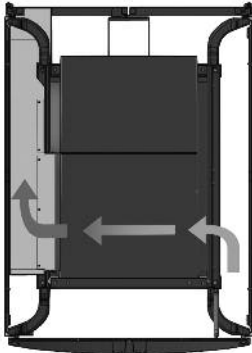
- Available in 10 heights and 11 depths
- Designed to meet third party specifications for specific manufacturer switches
- Matches standard TeraFrame Cabinet system style and sizes
- Includes two pairs of 19" EIA equipment mounting rails providing front and rear support for equipment and shelves
- Static load rating:
  - 2500 lb (1134 kg) on leveler feet

### Cabinet Includes:

- (1) Welded Steel Four-Post Frame
- (4) Equipment Mounting Rails
- (1) Single, Perforated Front Door with Swing Handle
- (1) Double, Perforated Rear Door with Swing Handle
- (1) Five-piece Top Panel
- (4) Leveler Feet and Floor Anchor Brackets
- (1) Ground Terminal Block
- (1) Baying Kit
- (1) Bag of 25 Each M6 Cage Nuts and Screws (square-punched rails)
- (1) Bag of 50 Each #12-24 Rack Channel Mounting Screws (tapped rails)

### Applications:

The N-Series TeraFrame Network Cabinet has been tested by switch manufacturers and certified to support **Cisco Catalyst**, **Cisco Nexus** and **Juniper Network** switches. Many other switches can also benefit from the superior thermal management designed into the N-Series TeraFrame Network Cabinet. More information on specific switch models is available on page 2-30 or at [www.chatsworth.com](http://www.chatsworth.com).



The Network Switch Exhaust Duct guides hot exhaust air from the side of the switch out the rear door of the cabinet.

Use the part number configurator below to create a custom N-Series TeraFrame Network Cabinet. Choose the **Height**, **With** or **Without** Duct, **Depth**, **Rail Style**, **Front Door**, **Rear Door**, **Latch**, **Color**, **Top Panel Style** and **Side Panel Style**.

Example part number: NF1K-113C-C42

**N H W D - R FD RD L - C TP SP**

1. Height					
Cabinet		Frame		U	C
in	mm	in	mm		
78.3	1989	78.1	1984	42	<b>C</b>
80.0	2033	79.9	2029	43	<b>D</b>
81.8	2077	81.6	2073	44	<b>E</b>
83.5	2122	83.4	2118	45	<b>F</b>
85.3	2166	85.1	2162	46	<b>G</b>
87.0	2211	86.9	2207	47	<b>H</b>
88.8	2255	88.6	2251	48	<b>J</b>
90.5	2300	90.4	2296	49	<b>K</b>
92.3	2344	92.1	2340	50	<b>L</b>
94.0	2389	93.9	2385	51	<b>M</b>

Note: When sizing to match the N-Series TeraFrame Cabinet System, use the same part number digit for cabinet height and depth as the F-Series TeraFrame.

2. Network Switch Exhaust Duct		
None - Includes two Cable Finger Kits		<b>0</b>
Included - Includes one Cable Finger Kit		<b>1</b>

Note: Use the Network Switch Exhaust Duct with switches that require side airflow. See Ordering Notes 3 & 4 for additional information.

3. Depth								
Cabinet		Rail (max)		N-Series Frame Size		Equiv. F-Series Frame Size		C
in	mm	in	mm	in	mm	in	mm	
41.2	1047	22.6	575	25.6	650	37.4	950	<b>G</b>
42.2	1072	23.6	600	26.6	675	38.4	975	<b>H</b>
43.2	1097	24.6	625	27.6	700	39.4	1000	<b>J</b>
44.2	1122	25.6	650	28.5	725	40.4	1025	<b>K</b>
45.2	1147	26.6	675	29.5	750	41.3	1050	<b>L</b>
46.1	1172	27.6	700	30.5	775	42.3	1075	<b>M</b>
47.1	1197	28.6	725	31.5	800	43.3	1100	<b>N</b>
48.1	1222	29.5	750	32.5	825	44.3	1125	<b>P</b>
49.1	1247	30.5	775	33.5	850	45.3	1150	<b>R</b>
50.1	1272	31.5	800	34.4	875	46.3	1175	<b>T</b>
51.1	1297	32.5	825	35.4	900	47.2	1200	<b>U</b>

Note: Depths G and H have a maximum rail spacing less than 24" (610 mm) and will not support certain switch mounting brackets. Use CPI P/N 12336-719, 18" D (460 mm) Fixed Shelf, to support equipment when ordering these cabinet sizes.

10. Side Panel Style	
<b>0</b>	None
<b>1</b>	Solid, 1 each
<b>2</b>	Solid, 2 each
<b>3</b>	Vented, 1 each
<b>4</b>	Vented, 2 each

9. Top Panel	
<b>4</b>	Solid with Knock-Out Ports

8. Color	
<b>C</b>	Black
<b>D</b>	Signature Blue
<b>E</b>	Glacier White
<b>F</b>	Steel Gray

7. Latches (Door)	
<b>C</b>	Two-Point, Cam Latch, Keyed Lock
<b>E</b>	Two-Point, Cam Latch, Combination Lock

6. Rear Door	
<b>3</b>	Double, Perforated Metal

5. Front Door	
<b>1</b>	Single, Perforated Metal

4. Rail Style	
<b>1</b>	Square Punch, 2 Pair
<b>2</b>	Tapped, #12-24, 2 Pair

# N-SERIES TERAFRAME® NETWORK CABINET

## Ordering Notes:

1. Height: Ten heights are available. The frame height is the height of the internal frame without the top panel. The cabinet height is the overall height of the cabinet with a top panel. Leveler feet add approximately 1" (25 mm) to the height of the cabinet. Frame heights match F-Series TeraFrame Cabinet System heights. Accessory Caster Kits adds approximately 2.8" (71 mm) to the height of the cabinet.
2. Width: One width is available. Overall cabinet width with side panels is 31.5" (800 mm). The internal frame width without side panels is 23.6" (600 mm). The included mounting rails are 19" EIA-310-E compliant.
3. Network Switch Exhaust Duct: Select [1] to include a Network Switch Exhaust Duct with the cabinet (special configurations are listed under note 4 below). The duct will be pre-installed into the cabinet and includes removable exhaust panels on the side that faces the equipment. The duct is 2U less than the full height of the cabinet. Select [0] to exclude the duct for patching applications or switches that have front-to-rear airflow. Cabinets that include the Network Switch Exhaust Duct include one Cable Management Fingers Kit (see next page). Cabinets that do not include the Network Switch Exhaust Duct include two Cable Management Fingers Kits.
4. Depth: Eleven depths are available. The frame depth is the depth of the internal frame without doors. The cabinet depth is the overall depth of the cabinet with doors. Rail depth is the maximum rail-to-rail depth within the frame. The N-Series TeraFrame Network Cabinet can be used side-by-side with the F-Series TeraFrame Cabinet System. Overall cabinet depths are the same. Equivalent F-Series TeraFrame frame depths are listed in a separate column in the order table.
5. Rail Style: Square-punched rails use snap-in cage nut hardware (P/N 12637-001, 12628-001 or 12639-001) that can be changed to match equipment requirements. Tapped rails use screws (P/N 40605-001 or 40605-005). Order additional mounting hardware as required. (see page 2-16)
6. Front Door: The front door is hinged on the right side. To reverse the swing, order a Right Hand Door Latch Kit (P/N 34684-C02).
7. Latches: All doors have swing handles and a two point cam latch. The keyed lock includes a physical key. The combination lock has a programmable three-digit combination and is opened with three dials on the handle or with a key.
8. Side Panels: Vented and solid side panels are available. Select a quantity of one or two panels per cabinet. Omit side panels to bay cabinets.

In addition to the N-Series TeraFrame Network Cabinet Solution in the order table on the previous page, specific N-Series TeraFrame Network Cabinet configurations have been developed for the following Manufacturer's Switches:

Meets Compatibility Guidelines for:	Part Number	Dimensions H x W x D - in (mm)
Cisco Nexus 7010 switch	NF0U-113C-C42	45U x 31.5 x 47.2 (800 x 1200)***
Cisco Catalyst 6500, 6509* and 6513 switches Cisco MDS 9509 director	NF2K-113C-C42	45U x 31.5 x 40.4 (800 x 1025)**
Cisco MDS 9513 director	NF3K-113C-C42	45U x 31.5 x 40.4 (800 x 1025)**
Juniper EX8208 or EX8216	NF4M-113C-C42	45U x 31.5 x 42.3 (800 x 1075)**
Cisco Nexus 7018 switch	NF5U-143C-C42	45U x 40.0 x 47.2 (1016 x 1200)***

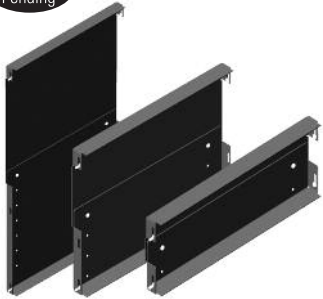
\*Cisco 6509-NEBS does not require Network Switch Exhaust Duct.

\*\* Dimensions correspond to Equivalent TeraFrame depth in the order matrix on previous page.

\*\*\* Other sizes available to support this switch

For more information on N-Series solutions for Cisco Switches, refer to [www.chatsworth.com/ciscoteraframe](http://www.chatsworth.com/ciscoteraframe), and for more information on N-Series solutions for Juniper Network Switches, refer to the [www.chatsworth.com/juniperteraframe](http://www.chatsworth.com/juniperteraframe).

Patent Pending



Network Switch Exhaust Duct Panel shown in cabinet



## Network Switch Exhaust Duct Panel

Use inside cabinets equipped with the Network Switch Exhaust Duct. Install above and below switches to form a seal between the exhaust grill on the switch chassis and the exhaust duct. Network Switch Exhaust Duct Panels are included with each cabinet that is equipped with the duct. Order additional panels as required to seal the duct.

Part Number	Height	Shipping Weight lb (kg)
34620-C01	2U to 3U Panel, Black	3 (1.4)
34620-C02	4U to 7U Panel, Black	4 (1.8)
34620-C03	8U to 15U Panel, Black	6 (2.7)
<b>Compatible with N-Series NF4M-113C-C42 (Nx4) only*</b>		
34620-C11	2U to 3U Panel, Black	3 (1.4)
34620-C12	4U to 7U Panel, Black	4 (1.8)
34620-C13	8U to 15U Panel, Black	6 (2.7)

Included with some cabinets - see ordering note 3, page 2-23.

\*Only compatible with P/N NF4M-113C-C42 - EX8200 Series Switch (see page 2-23)



Cable Management Fingers Kit shown in cabinet

## Cable Management Fingers Kit

Provides vertical cable management at one corner of the cabinet frame. Includes a set of T-shaped cable guides and five cable spools. The T-shaped cable guides attach to the front of the cabinet frame. The openings in between the T-shaped fingers align with the rack-mount unit spaces on the rack. Each opening can pass up to 48 CAT 6a patch cords. The cable spools are approximately 1" (25 mm) in diameter and 4"H (100 mm) and attach to the side of the cabinet frame to maintain cables in the front or rear corners. Match to the height of the cabinet.

Part Number	Description Height	Shipping Weight lb (kg)
34680-002	For 42U Cabinets, Black	4 (1.8)
34680-003	For 43U Cabinets, Black	4 (1.8)
34680-004	For 44U Cabinets, Black	4 (1.8)
34680-005	For 45U Cabinets, Black	4 (1.8)
34680-006	For 46U Cabinets, Black	4 (1.8)
34680-007	For 47U Cabinets, Black	4 (1.8)
34680-008	For 48U Cabinets, Black	4 (1.8)
34680-009	For 49U Cabinets, Black	4 (1.8)
34680-010	For 50U Cabinets, Black	4 (1.8)
34680-011	For 51U Cabinets, Black	4 (1.8)

Color is Black. Included with each cabinet, see ordering note 3, page 2-24.

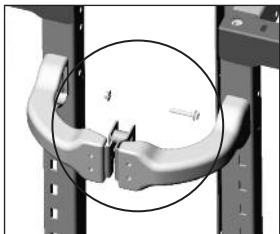


## Caster Kit

Use to move and position the cabinet before loading the cabinet with equipment. Set of four full-swivel casters and mounting brackets. The Caster Kit attaches to the outside corners of the cabinet frame and can be removed after the cabinet is set in place.

Part Number	Description	Shipping Weight lb (kg)
34628-C01	Caster Kit, Set of 4	25 (11.3)

*Color is Black.*

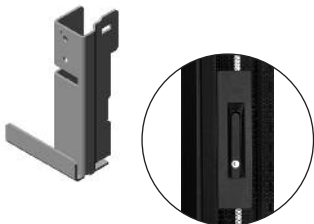


## Baying Kit

Connect two N-series TeraFrame Network Cabinets side-by-side. The cabinets must be the same height and depth and side panels must be removed.

Part Number	Description	Shipping Weight lb (kg)
34682-C01	Cabinet Baying Kit	5 (2.3)

*Baying Kit is included with each cabinet.*



## Right Hand Door Latch Kit

Allows front door to be reversed to open from the right (hinges on left).

Part Number	Description	Shipping Weight lb (kg)
34684-C02	Right Hand Door Latch Kit	5 (2.3)



## Snap-In Filler Panel

Block airflow through open rack-mount spaces to help keep hot air at the back of the cabinet. Snap-In Filler Panels can be used in any 19"W CPI Cabinet that has square-punched equipment mounting rails.



Part Number	Description H x W (in)	Shipping Weight lb (kg)
34537-000	1U x 19, Black, 1 Each	1 (0.5)
34538-000	2U x 19, Black, 1 Each	2 (0.9)
34537-001	1U x 19, Black, 6 Each	4 (1.8)
34538-001	2U x 19, Black, 6 Each	4 (1.8)
34537-002	1U x 19, Black, 50 each	22 (10.0)
34538-002	2U x 19, Black, 50 each	35 (15.9)



## Mounting Rails

Two mounting rail styles are available.

### Fixed Mounting Rails

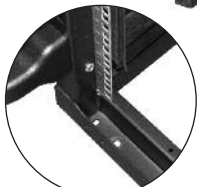
Replacement pair of mounting rails for the front side of the N-Series TeraFrame Network Cabinets equipped with the Network Switch Exhaust Duct. Mounting rails attach to the cabinet frame's vertical uprights and are not adjustable in depth. The rail minimizes interference with the airflow of the network switch. Match to cabinet height.



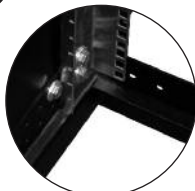
Part Number		Description Height	Shipping Weight lb (kg)
Square-Punched	Tapped #12-24		
34626-002	34667-002	For 42U Cabinet	13 (5.9)
34626-003	34667-003	For 43U Cabinet	13 (5.9)
34626-004	34667-004	For 44U Cabinet	14 (6.4)
34626-005	34667-005	For 45U Cabinet	14 (6.4)
34626-006	34667-006	For 46U Cabinet	14 (6.4)
34626-007	34667-007	For 47U Cabinet	14 (6.4)
34626-008	34667-008	For 48U Cabinet	14 (6.4)
34626-009	34667-009	For 49U Cabinet	15 (6.8)
34626-010	34667-010	For 50U Cabinet	15 (6.8)
34626-011	34667-011	For 51U Cabinet	15 (6.8)

### Adjustable-Depth Mounting Rails

Replacement pair of mounting rails for the rear side of the N-Series TeraFrame Network Cabinets equipped with the Network Switch Exhaust Duct and for the front and rear of cabinets that do not have an exhaust duct. Mounting rails attach to the side of the cabinet frame and adjust in depth front-to-rear. Match to cabinet height.



Front of cabinet shown with fixed rails



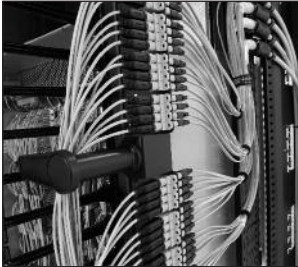
Rear of cabinet shown with adjustable rails

Part Number		Description Height	Shipping Weight lb (kg)
Square-Punched	Tapped #12-24		
34408-002	34409-002	For 42U Cabinet	27 (12.2)
34408-003	34409-003	For 43U Cabinet	28 (12.7)
34408-004	34409-004	For 44U Cabinet	28 (12.7)
34408-005	34409-005	For 45U Cabinet	29 (13.2)
34408-006	34409-006	For 46U Cabinet	29 (13.2)
34408-007	34409-007	For 47U Cabinet	30 (13.6)
34408-008	34409-008	For 48U Cabinet	30 (13.6)
34408-009	34409-009	For 49U Cabinet	31 (14.1)
34408-010	34409-010	For 50U Cabinet	31 (14.1)
34408-011	34409-011	For 51U Cabinet	32 (14.5)

Mounting rails are plated and silver color. \*Shipping weights are for tapped rails. See page 2-18 for equipment mounting hardware.

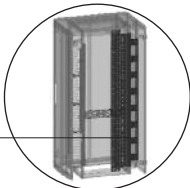
# Fiber Management For TeraFrame® Cabinet Systems

CPI Fiber Management for the TeraFrame® Family of Cabinets is designed to manage Corning Cable Systems LANscape® Pretium™ Zero-U System, a compliment to Plug & Play™ Universal Systems products to support Fibre Channel connectivity in Storage Area Networks (SANs). One of the fundamental challenges for SANs is the large volume of optical fiber cable and patch cords that must be managed in cabinets that store large modular switches (directors). When individual jumper cables are used to make each port connection, densities of several hundred cables concentrate along the sides of the cabinets blocking airflow and making it difficult to administer moves, adds and changes. CPI and Corning Cable Systems provide a solution that maximizes available cabinet rack space.



The CPI Fiber Management System is comprised of five support components: the Fiber Trunk Cable Manager, Vertical Furcation Bracket, Horizontal Furcation Bracket, Universal Accessory Rail and Fiber Module Bracket, as well as two accessories for the Universal Accessory Rail: the Fiber Module Adapter and the Swivel Cable Spool. The system supports and provides for attachment and strain-relief of the Plug & Play Universal Systems trunk cables, as well as mounting of Plug & Play Universal Systems Modules and/or high-density Zero-U System MTP Adapter Brackets in the zero rack-mount unit space between the cabinet frame and side panel. The N-Series TeraFrame Network Cabinet is designed to support high-density cabling and thermal management for modular switches. Use the Fiber Trunk Cable Manager, Vertical Furcation Bracket, Horizontal Furcation Bracket, Universal Accessory Rail, Fiber Module Adapter and/or Swivel Cable Spool to manage fiber in this cabinet. The F-Series TeraFrame Cabinet is designed to support server and data storage equipment. Use the Fiber Module Bracket, Vertical Furcation Bracket and/or Horizontal Furcation Bracket to manage fiber in this cabinet.

Patent Pending



## Fiber Trunk Cable Manager

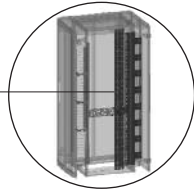
The Fiber Trunk Cable Manager attaches to the N-Series TeraFrame Network Cabinet, and supports and protects Corning Cable Systems Plug & Play Universal Systems trunk cables as the cables transition from vertical to horizontal orientation to make connections inside the cabinet.

- Attaches to the rear frame upright on the N-Series TeraFrame Network Cabinet; it is used in combination with the Vertical Furcation Bracket
- Provides critical strain relief so that the furcation plug on the trunk cable can mount properly to the Vertical Furcation Bracket
- Sized to support connections for two fully populated Cisco 9513 series or Brocade 48000 SAN Directors
- Is C-shaped, 9.7"W x 0.5"D (246 mm x 13 mm), made from steel, and includes installation hardware

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
34719-C02	For 42U Cabinets, 69.6 (1768)	16 (7.3)
34719-C03	For 43U Cabinets, 71.4 (1814)	16 (7.3)
34719-C04	For 44U Cabinets, 73.1 (1857)	17 (7.7)
34719-C05	For 45U Cabinets, 74.9 (1902)	16 (7.3)
34719-C06	For 46U Cabinets, 76.6 (1946)	17 (7.7)
34719-C07	For 47U Cabinets, 78.4 (1991)	17 (7.7)
34719-C08	For 48U Cabinets, 80.1 (2035)	17 (7.7)
34719-C09	For 49U Cabinets, 81.9 (2080)	18 (8.2)
34719-C10	For 50U Cabinets, 83.6 (2123)	18 (8.2)
34719-C11	For 51U Cabinets, 85.4 (2169)	19 (8.6)

*Color is black. Use in CPI N-Series TeraFrame Network Cabinets only. Cannot be installed on the left side of a cabinet that has a Network Switch Exhaust Duct installed. Cannot be used with a Horizontal Furcation Bracket.*

Patent Pending



Requires a 5.2" (132 mm) setback if installed inside the rack-mount space behind equipment mounting rails.

## Vertical Furcation Bracket

The Vertical Furcation Bracket attaches to the N-Series TeraFrame Network Cabinet or the F-Series TeraFrame Cabinet and supports Corning Cable Systems Plug & Play Universal Systems trunk cables. Provides attachment points for the trunk cable furcation plug and tie points for securing the trunk cable to the bracket.

- Attaches at any location front-to-rear along the side of the cabinet
- Is C-shaped, 5.1"W x .7"D (130 mm x 17 mm), made from steel and includes installation hardware

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
34707-C00	For 24U Cabinets, 38.6 (981)	8 (3.6)
34707-C01	For 36U Cabinets, 59.6 (1514)	10 (4.5)
34707-C02	For 42U Cabinets, 73.6 (1870)	11 (5.0)
34707-C03	For 43U Cabinets, 75.4 (1915)	11 (5.0)
34707-C04	For 44U Cabinets, 77.1 (1959)	12 (5.4)
34707-C05	For 45U Cabinets, 78.9 (2003)	12 (5.4)
34707-C06	For 46U Cabinets, 80.6 (2048)	13 (5.9)
34707-C07	For 47U Cabinets, 82.4 (2092)	13 (5.9)
34707-C08	For 48U Cabinets, 84.1 (2137)	13 (5.9)
34707-C09	For 49U Cabinets, 85.9 (2181)	14 (6.5)
34707-C10	For 50U Cabinets, 87.6 (2226)	14 (6.4)
34707-C11	For 51U Cabinets, 89.4 (2270)	14 (6.4)

Color is black. Use in N-Series TeraFrame Network Cabinets or F-Series TerFrame Cabinets. Cannot be installed on the left side of a CPI N-Series TeraFrame Network Cabinet that has a Network Switch Exhaust Duct installed.



## Fiber Module Adapter

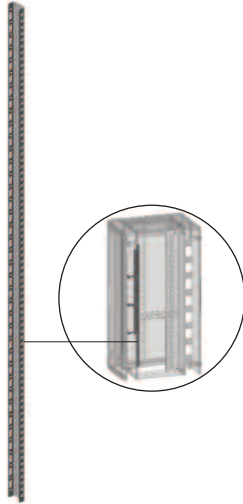
The Fiber Module Adapter mounts to the Universal Accessory Rail in a N-Series TeraFrame Network Cabinet and supports a single Corning Cable Systems Plug & Play Universal Systems CCH Module in the rack-mount space between the cabinet frame and the cabinet side panel.

- 4U high
- CCH Modules provide a transition from 12-fiber MTP connectors to simplex or duplex connectors
- Use in the N-Series TeraFrame Network Cabinet for applications with lower cable densities that do not require the Corning Cable Systems high-density Zero-U System MTP Adapter Brackets and harness assembly connectivity
- Is S-shaped, 7"H x 2"W x 2.5"D (178 mm x 50 mm x 64 mm), made from steel and includes installation hardware

Part Number	Description	Shipping Weight lb (kg)
34713-C01	Fiber Module Adapter	2 (0.9)

Color is black. Attaches to the Universal Accessory Rail.

Patent Pending



## Universal Accessory Rail

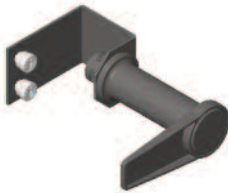
The Universal Accessory Rail attaches to the front vertical frame upright of the N-Series TeraFrame Network Cabinet and supports Corning Cable Systems high-density Zero-U System MTP Adapter Brackets, Fiber Module Adapters and Swivel Cable Spools in the rack-mount space between the cabinet frame and the cabinet side panel. Provides attachment points that align with rack-mount unit on the cabinet for any combination of Swivel Cable Spools, Fiber Module Adapters and Corning Cable Systems high-density Zero-U System MTP Adapter Brackets.

- Used in combination with the Fiber Trunk Cable Manager and Vertical Furcation Bracket in high-density installations
- Is C-shaped, 1.6"W x .8"D (41 mm x 19 mm), made from steel and includes installation hardware

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
34701-C02	For 42U Cabinets, 63.0 (1600)	5 (2.3)
34701-C03	For 43U Cabinets, 64.8 (1645)	5 (2.3)
34701-C04	For 44U Cabinets, 66.5 (1689)	5 (2.3)
34701-C05	For 45U Cabinets, 68.3 (1734)	5 (2.3)
34701-C06	For 46U Cabinets, 70.0 (1778)	6 (2.7)
34701-C07	For 47U Cabinets, 71.8 (1822)	6 (2.7)
34701-C08	For 48U Cabinets, 73.5 (1867)	6 (2.7)
34701-C09	For 49U Cabinets, 75.3 (1911)	6 (2.7)
34701-C10	For 50U Cabinets, 77.0 (1956)	6 (2.7)
34701-C11	For 51U Cabinets, 78.8 (2000)	6 (2.7)

*Color is black. Use in CPI N-Series TeraFrame Network Cabinets only: 6U (3U top/3U bottom) shorter than the cabinets equipment mounting rails.*

Patent Pending



## Swivel Cable Spool

The Swivel Cable Spool helps manage optical fiber harness assemblies as they transition from connector matings on the Universal Accessory Rail to connections in rack-mount equipment. The spools are recommended next to modular SAN switches to manage cable slack where large numbers of harness assemblies are installed in a small number of rack-mount spaces.

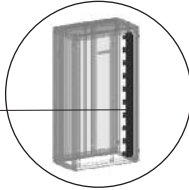
- 1U high and attaches to the Universal Accessory Rail in the zero rack-mount unit space between the cabinet frame and the cabinet side panel
- Includes an L-shaped mounting bracket and an L-shaped spool; the spool rotates 360° with stops at 90° increments
- 1.7"H x 4"W x 5.5"D (44 mm x 102 mm x 140 mm) overall; includes installation hardware; the plastic L-shaped spool is 4"W x 3"D (102 mm x 80 mm), 1" (30 mm) in diameter; the steel L-shaped standoff mounting bracket is 1.7"H x 2.7"W x 2"D (44 mm x 70 mm x 50 mm)

Part Number	Description	Shipping Weight lb (kg)
34716-C01	Swivel Cable Spool, Each, Black	2 (0.9)
34716-C02	Swivel Cable Spool, Kit of 6, Black	3 (1.4)

## Fiber Module Bracket

The Fiber Module Bracket attaches to the side of the F-Series TeraFrame Cabinet and supports Corning Cable Systems Plug & Play Universal Systems CCH Modules and fiber optic patch cords in the zero rack-mount unit space between the cabinet frame and the cabinet side panel.

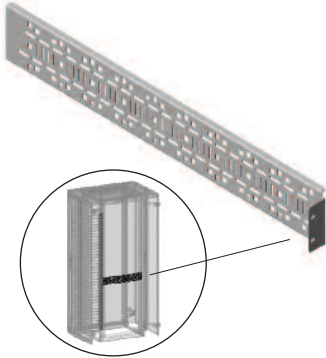
- Provides multiple attachment points for Corning Cable Systems Plug & Play Universal Systems CCH Modules, which convert the 12-fiber MTP connectors on the trunk cables into simplex or duplex connectors for rack-mount storage arrays or servers with low port density requirements
- Provides cable management and tie points for trunk cables and jumper cables
- Is S-shaped, 6.2"W x 1.8"D (160 mm x 46 mm), made from steel and includes installation hardware



Part Number	Description Height in (mm)	Supports (#) Modules	Shipping Weight lb (kg)
34718-C00	For 24U Cabinets, 36.5 (927)	4	10 (4.5)
34718-C01	For 36U Cabinets, 57.5 (1461)	7	14 (6.4)
34718-C02	For 42U Cabinets, 71.5 (1816)	8	16 (7.3)
34718-C03	For 43U Cabinets, 73.3 (1861)	8	16 (7.3)
34718-C04	For 44U Cabinets, 75.0 (1905)	9	16 (7.3)
34718-C05	For 45U Cabinets, 76.8 (1950)	9	16 (7.3)
34718-C06	For 46U Cabinets, 78.5 (1994)	9	17 (7.7)
34718-C07	For 47U Cabinets, 80.3 (2039)	9	18 (8.2)
34718-C08	For 48U Cabinets, 82.0 (2083)	10	18 (8.2)
34718-C09	For 49U Cabinets, 83.8 (2128)	10	18 (8.2)
34718-C10	For 50U Cabinets, 85.5 (2172)	10	19 (8.6)
34718-C11	For 51U Cabinets, 87.3 (2216)	10	19 (8.6)

*Color is black. Use in CPI F-Series TeraFrame Cabinets only. Requires a minimum 9.7" (246 mm) rear rail setback when used with standard Corning Cable Systems Universal Systems CCH Modules to provide access to connections.*

## Horizontal Furcation Bracket



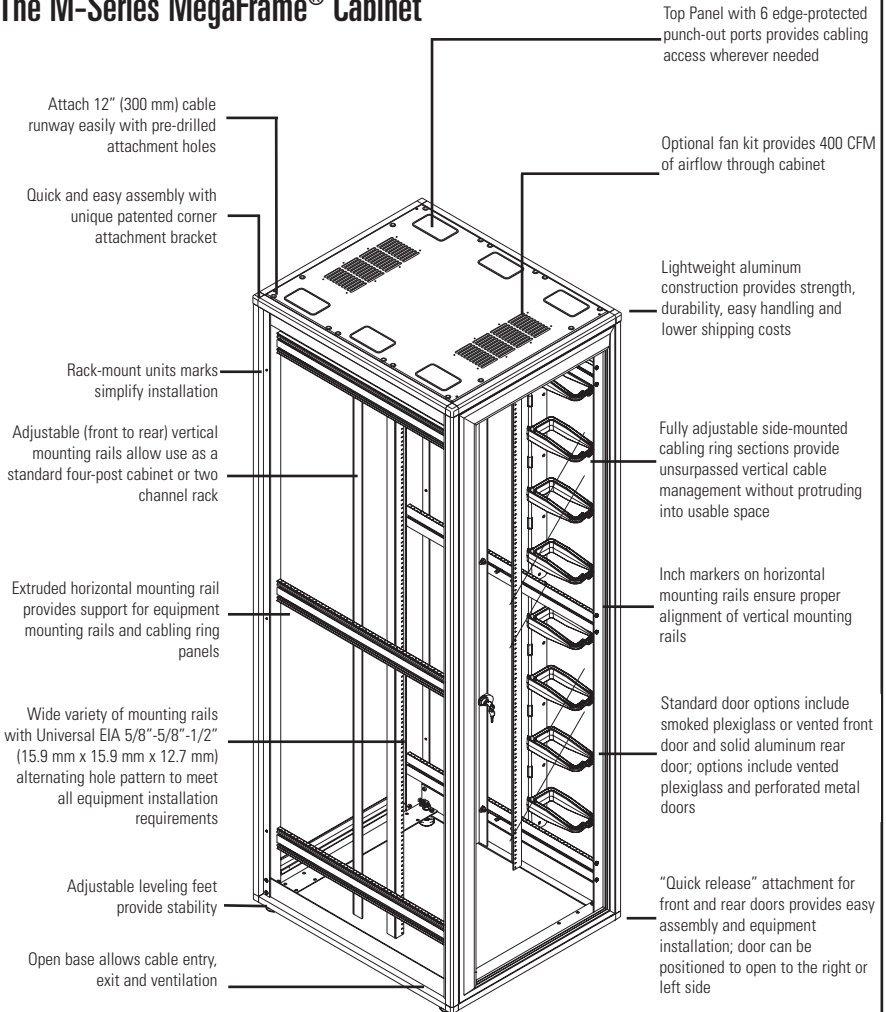
The Horizontal Furcation Bracket attaches to the Universal Accessory Rail in the N-Series TeraFrame Network Cabinet or to the side of a TeraFrame Equipment Mounting Rail in the F-Series TeraFrame Cabinet. The Horizontal Furcation Bracket can be used to secure trunk cables in the vertical orientation as the cables enter the cabinet or as a horizontal (front-to-rear) support for the furcation legs of the trunk cable.

- Provides attachment points for the trunk cable furcation plugs and tie points for securing the trunk cable to the bracket in low-density installations
- Attaches at any location top-to-bottom along the side of the cabinet; multiple brackets can be used in each cabinet
- Is C-shaped, 4.3"W x .5"D (108 mm x 12 mm) with 1.5"D (38 mm) mounting flange, made from steel and includes installation hardware

Part Number	Description Length in (mm)	Fits Max. Rail Spacing in (mm)	Shipping Weight lb (kg)
34708-C02	22.4 (569)	22.4 (569)	5 (2.3)
34708-C03	23.3 (592)	23.3 (592)	5 (2.3)
34708-C04	24.3 (617)	24.3 (617)	5 (2.3)
34708-C05	25.3 (643)	25.3 (643)	5 (2.3)
34708-C06	26.3 (668)	26.3 (668)	5 (2.3)
34708-C07	27.3 (693)	27.3 (693)	5 (2.3)
34708-C08	28.3 (718)	28.3 (718)	5 (2.3)
34708-C09	29.3 (743)	29.3 (743)	5 (2.3)
34708-C10	30.2 (768)	30.2 (768)	5 (2.3)
34708-C11	31.2 (793)	31.2 (793)	5 (2.3)
34708-C12	32.2 (818)	32.2 (818)	5 (2.3)
34708-C13	33.2 (843)	33.2 (843)	5 (2.3)
34708-C14	34.2 (868)	34.2 (868)	5 (2.3)
34708-C15	35.2 (893)	35.2 (893)	6 (2.7)
34708-C16	36.2 (918)	36.2 (918)	6 (2.7)

*Color is Black. Can be used with the Vertical Furcation Bracket; cannot be used with the Fiber Trunk Cable Manager, Vertical Cable Manager or Internal Air Duct.*

# The M-Series MegaFrame® Cabinet



Available in up to 39" (990 mm) usable depth, many heights

Static load rating of 2000 lb (907.2 kg)

Solid aluminum side panels are easy-to-remove and locking

19" or 23" Standard EIA rack width



## M-Series MegaFrame® Cabinet 72", 78" and 84" (1830 mm, 1980 mm and 2130 mm)

The M-Series MegaFrame® Cabinet System supports a vast array of potential applications. The cabinet is available in a variety of heights, widths and depths to meet the most stringent demands. Also, the M-Series Cabinet System allows the user to select mounting rails to accommodate today's variety of rack-mount equipment.

### Specifications:

- Available in three heights; 72", 78" and 84" (1830 mm, 1980 mm and 2130 mm)\*
- Available in 19" or 23" EIA standard rack widths
- Available in four depths; 24", 30", 36" and 39" (610 mm, 760 mm, 910 mm and 990 mm)
- Available with or without top or side panels
- Side panels are easy-to-remove and locking
- Can be ordered with or without doors in a variety of materials and styles
- Cabinet is available with a choice of tapped 12-24, square-punched, Sun® or IBM® rails
- Rack-mount unit marks simplify equipment installation
- Hardware for each rail type is included
- All vertical mounting rails are available in half heights (also sold separately)
- Manufactured from aluminum custom designed for maximum strength and functionality
- Bolted construction, delivers fully or partially assembled
- Load Rating: 2000 lb (907.2 kg)
- UL Listed

### Cabinet Includes:

- (1) Four-Post Frame (anodized aluminum finish)
- (4) Vertical Mounting Rails & Mounting Hardware
- (2) Locking, Easy-To-Remove Side Panels
- (1) "Quick-Release" Front Door
- (1) "Quick-Release" Rear Door
- (1) Vented Top Panel & Six Cable Access Ports
- (2) Vertical Half Height Cable Managers (wide)
- (4) Leveling Feet
- (1) Multi-Bay Attachment Hardware Kit
- (4) Floor Anchor Clamps
- (1) Bag of 50 Each #12-24 Rack Channel Mounting Screws with tapped rails
- (1) Bag of 16 each M6 Cage Nuts and Screws, and 25 each #12-24 Cage Nuts and Screws with square-punched rails

*\*Note: Special 8' (2.4 m) cabinets are available in standard lead times.*



# MegaFrame® Cabinet System 72", 78" and 84" (1830 mm, 1980 mm and 2130 mm)

## Dimensions:

Height Dimensions - in (mm)			
All Cabinet Styles	72 (1830)	78 (1980)	84 (2130)
Usable Vertical Panel Space	38U, 66.50 (1689.1)	42U, 73.50 (1866.9)	45U, 78.75 (2000.3)
Overall Height without Leveling Feet	72.02 (1829.3)	78.02 (1981.7)	84.02 (2130.0)
Overall Height with Leveling Feet	72.92 (1852.2)	78.92 (2004.6)	84.92 (2157.0)
Overall Height with Casters	75.70 (1922.8)	81.70 (2075.2)	87.70 (2230.0)
Frame Vertical Opening	67.90 (1724.7)	73.90 (1877.1)	79.90 (2029.5)

Width Dimensions - in (mm)		
Usable Equipment Panel Width	19" EIA	23" EIA
Overall Width	27.32 (693.9)	31.32 (795.5)
Frame Horizontal Opening	20.20 (513.1)	24.20 (614.7)

Depth Dimension Cabinet Only (With Doors) - in (mm)				
Nominal Cabinet Depth	24 (61)	30 (760)	36 (910)	39 (990)
Maximum Mounting Depth - Rail to Rail	24.00 (609.6)	30.00 (762.0)	36.00 (914.4)	39.00 (990.6)
Overall Depth - Inside Door to Inside Door	27.22 (691.4)	33.22 (843.8)	39.22 (996.2)	42.22 (1072.4)
Overall Depth - Door Face to Door Face	27.62 (701.5)	33.62 (853.9)	39.62 (1006.3)	42.62 (1082.5)

Depth Dimension Frame Only (Without Doors) - in (mm)				
Nominal Cabinet Depth	24 (610)	30 (760)	36 (910)	39 (990)
Maximum Mounting Depth - Rail to Rail	24.00 (609.6)	30.00 (762.0)	36.00 (914.4)	39.00 (990.6)
Overall Depth	26.13 (663.7)	32.13 (816.1)	38.13 (968.5)	41.13 (1044.7)

Shipping Weights - lb (kg)			
All Cabinet Styles - in (mm)	72 (1830)	78 (1980)	84 (2130)
Minimum	152 (68.9)	152 (68.9)	155 (70.3)
Maximum	251 (113.9)	262 (118.8)	287 (130.2)

## Part Number Configurator

When ordering an **M-Series Cabinet**, the part number is always preceded by the letter **M**. Use the part number matrix below to configure your M-Series Cabinet. Choose the **Width**, **Height**, **Depth**, **Cabinet Style**, **Color**, **Door**, and **Shipping Option**.

**Example Cabinet Part Number:** M1221-112

<b>M</b>	<b>W</b>	<b>H</b>	<b>D</b>	<b>S</b>	<b>-</b>	<b>C</b>	<b>D</b>	<b>O</b>
----------	----------	----------	----------	----------	----------	----------	----------	----------

2. Width	
in	
19	<b>1</b>
23	<b>2</b>

3. Height		
in	mm	
84	2130	<b>0</b>
78	1980	<b>1</b>
72	1830	<b>2</b>

4. Depth		
in	mm	
24	610	<b>2</b>
30	760	<b>3</b>
39	990	<b>4</b>
36	910	<b>5</b>

8. Shipping Option	
<b>1</b>	Knocked Down
<b>2</b>	Assembled

7. Doors	
<b>0</b>	No front or rear doors
<b>1</b>	Plexiglass front/metal rear
<b>2</b>	Metal front/Metal rear
<b>3</b>	Vented plexiglass front/perforated metal rear
<b>4</b>	Perforated metal front/perforated metal rear

*(Perforated metal doors are 63% open for high airflow)*

6. Color <sup>3</sup>	
<b>1</b>	Gray
<b>2</b>	White
<b>7</b>	Black

5. Cabinet Style	
<b>0</b>	Tapped rails, top & side panels
<b>1</b>	Tapped rails, top & no side panels
<b>2</b>	Tapped rails, no top or side panels (frame only) <sup>1</sup>
<b>3</b>	Square-punched rails, top & sides
<b>4</b>	Square-punched rails, top, no sides
<b>5</b>	Square-Punched rails, no top or side panels (frame only) <sup>1</sup>
<b>D</b>	Sun rails <sup>2</sup> , top & side panels
<b>E</b>	Sun rails <sup>2</sup> , top & no side panels
<b>F</b>	Sun rails <sup>2</sup> , no top or side panels (frame only) <sup>1</sup>
<b>G</b>	IBM rails <sup>2</sup> , top & side panels
<b>H</b>	IBM rails <sup>2</sup> , top & no side panels
<b>J</b>	IBM rails <sup>2</sup> , no top or side panels (frame only) <sup>1</sup>



Cabinet Style



Frame Only Style

**Notes:**

1. Frame only style cannot be ordered with doors
2. Server rail styles are only available on cabinets 36" (910 mm) or 39" (990 mm) in depth.
3. Color refers to mounting rails and side panels and metal/perforated metal door panels. Frame is silver-colored anodized aluminum. For further assistance call 800-834-4969.



## 48" (1220 mm) M-Series MegaFrame® Cabinet

The 48"H (1220 mm) M-Series MegaFrame® Cabinet is designed for space conscious customers who demand value, while offering the same excellent quality that sets CPI apart from the competition.

The cabinet is available in a variety of widths and depths. Multiple cabinets can be mounted side-by-side using optional baying hardware. The cabinet is available in white, black or gray powder-coated finish.

The cabinet is also available in a frame only configuration.

*Note: When ordering a frame only configuration, the mounting rails have a powder-coated finish based on your color selection. The frame is always silver-colored anodized aluminum.*

### Specifications:

- Provides 25U of rack-mount space
- Available in 19" EIA or 23" EIA standard rack widths
- Available in three depths; 24", 30" and 36" (610 mm, 760 mm and 910 mm)
- Load Rating: 2000 lb (907.2 kg)

*\*Note: For equipment security and protection, the 48" (1220 mm) MegaFrame Cabinet features a solid top panel. For vented top options call Technical Support at 800-834-4969.*

# M-SERIES MEGAFRAME® CABINET

## Part Number Configurator

When ordering an **M-Series Cabinet**, the part number is always preceded by the letter **M**. Use the part number matrix below to configure your M-Series Cabinet. Choose the **Width**, **Height**, **Depth**, **Cabinet Style**, **Color**, **Door**, and Shipping **Option**.

**Example Cabinet Part Number:** M2530-112

M	W	H	D	S	-	C	D	O
<b>2. Width</b>		<b>3. Height</b>		<b>4. Depth</b>		<b>5. Cabinet Style</b>		<b>8. Shipping Option</b>
in		in		in		0		1
19		48		24		1		Knocked Down
23		1220		30		2		Assembled
2		5		36		7		
								<b>7. Doors</b>
								0
								No front or rear doors
								1
								Plexiglass front/metal rear
								2
								Metal front/Metal rear
								3
								Vented plexiglass front/perforated metal rear
								4
								Perforated metal front/perforated metal rear
								<i>(Perforated metal doors are 63% open for high airflow)</i>
								<b>6. Color<sup>2</sup></b>
								1
								Gray
								2
								White
								7
								Black



Cabinet Style



Frame Only Style

**Notes:**

1. Frame only style cannot be ordered with doors

2. Color refers to mounting rails and side panels and metal/perforated metal door panels. Frame is silver-colored anodized aluminum.

For further assistance call 800-834-4969.



Requires only 24" (610 mm) of floor space!

## C-Series SlimFrame® Cabinet System

The C-Series SlimFrame® Cabinet System is an ideal storage solution for EIA standard 19" rack-mountable equipment that fits on a standard, 24" (610 mm) access floor tile and provides up to 43U of space. The cabinet can bay to any existing MegaFrame to meet the demand for data storage expansion. Multiple SlimFrame Cabinets bay together by selecting variations without side panels and using the included Multi-Bay Attachment Hardware Kit.

Two cable management solutions are available for the SlimFrame. CPI's unique Narrow Vertical Cable Manager is included with each cabinet, or choose the larger vertical cable manager, P/N 12465, for greater capacity when baying two or more SlimFrame Cabinets.

### Specifications:

- Available in three heights; 72", 78" and 84" (1830 mm, 1980 mm and 2130 mm)
- Available in 19" EIA rack width
- Available in three depths; 22", 30" and 36" (560 mm, 760 mm and 910 mm)
- Available with or without top or side panels
- Side panels are easy-to-remove and locking
- Can be ordered with or without doors in a variety of materials and styles
- Cabinet is available with your choice of tapped 12-24, square-punched, Sun® or IBM® rails
- Rack-mount unit marks simplify equipment installation
- Hardware for each rail type is included
- All vertical mounting rails are available in half heights (also sold separately)
- Manufactured from aluminum custom designed for maximum strength and functionality
- Bolted construction, delivers fully or partially assembled
- Load Rating: 2000 lb (907.2 kg)

### Cabinet Includes:

- (1) Four-Post Frame (anodized aluminum finish)
- (4) Vertical Mounting Rails & Mounting Hardware
- (2) Locking, Easy-To-Remove Side Panels
- (1) "Quick-Release" Front Door
- (1) "Quick-Release" Rear Door
- (1) Vented Top Panel with Six Cable Access Ports
- (2) Vertical Half Height Cable Managers (narrow)
- (4) Leveling Feet
- (1) Multi-Bay Attachment Hardware Kit
- (4) Floor Anchor Clamps
- (1) Bag of 50 Each #12-24 Rack Channel Mounting Screws with tapped rails
- (1) Bag of 16 Each M6 Cage Nuts and Screws and 25 Each #12-24 Cage Nuts and Screws with square-punched rails

# C-Series SlimFrame® Cabinet System

## Dimensions

Height Dimensions - in (mm)			
All Cabinet Styles	72 (1830)	78 (1980)	84 (2130)
Usable Vertical Panel Space	37U	40U	43U
Overall Height without Leveling Feet	72.00 (1828.8)	78.00 (1981.2)	84.00 (2133.6)
Overall Height with Leveling Feet	72.90 (1851.7)	78.90 (2004.1)	84.90 (2156.5)
Overall Height with Casters	75.38 (1914.7)	81.38 (2067.1)	87.38 (2219.5)
Frame Vertical Opening	64.88 (1648.0)	70.88 (1800.4)	76.88 (1952.8)

Width Dimensions - in (mm)	
Usable Equipment Panel Width	19" EIA
Overall Width	24 (610)
Frame Horizontal Opening	19.84 (500)

Depth Dimension Frame Only ( With Doors ) - in (mm)			
Nominal Cabinet Depth	22 (560)	30 (760)	36 (910)
Maximum Mounting Depth - Rail to Rail	21.84 (554.7)	30.00 (762.0)	36.00 (914.4)
Overall Depth - Frame Only	23.96 (608.6)	32.12 (815.8)	38.12 (968.2)
Overall Depth - Door Face to Door Face	25.46 (646.7)	33.62 (853.9)	39.62 (1006.3)

Shipping Weights - lb (kg)			
All Cabinet Styles - in (mm)	72 (1830)	78 (1980)	84 (2130)
Minimum	142 (64.4)	141 (64.0)	149 (67.6)
Maximum	233 (105.7)	249 (112.9)	250 (113.4)

## Part Number Configurator

When ordering an **C-Series Cabinet**, the part number is always preceded by the letter **C**. Use the part number matrix below to configure your C-Series Cabinet. Choose the **Width**, **Height**, **Depth**, **Cabinet Style**, **Color**, **Door**, and **Shipping Option**.

**Example Cabinet Part Number:** C1133-732

<b>C</b>	<b>W</b>	<b>H</b>	<b>D</b>	<b>S</b>	<b>-</b>	<b>C</b>	<b>D</b>	<b>O</b>
----------	----------	----------	----------	----------	----------	----------	----------	----------

<b>2. Width</b>	
in	
19	<b>1</b>

<b>3. Height</b>		
in	mm	
84	2130	<b>0</b>
78	1980	<b>1</b>
72	1830	<b>2</b>

<b>4. Depth</b>		
in	mm	
30	760	<b>3</b>
36	910	<b>5</b>
22	560	<b>6</b>

<b>8. Shipping Option</b>	
1	Knocked Down
2	Assembled

<b>7. Doors</b>	
0	No front or rear doors
1	Plexiglass front/metal rear
2	Metal front/Metal rear
3	Vented plexiglass front/perforated metal rear
4	Perforated metal front/perforated metal rear

(Perforated metal doors are 63% open for high airflow)


  

<b>6. Color<sup>3</sup></b>	
1	Gray
2	White
7	Black


  

<b>5. Cabinet Style</b>	
0	Tapped rails, top & side panels
1	Tapped rails, top & no side panels
2	Tapped rails, no top or side panels (frame only) <sup>1</sup>
3	Square-punched rails, top & sides
4	Square-punched rails, top, no sides
5	Square-Punched rails, no top or side panels (frame only) <sup>1</sup>
D	Sun rails <sup>2</sup> , top & side panels
E	Sun rails <sup>2</sup> , top & no side panels
F	Sun rails <sup>2</sup> , no top or side panels (frame only) <sup>1</sup>
G	IBM rails <sup>2</sup> , top & side panels
H	IBM rails <sup>2</sup> , top & no side panels
J	IBM rails <sup>2</sup> , no top or side panels (frame only) <sup>1</sup>



Cabinet Style



Frame Only Style

**Notes:**

1. Frame only style cannot be ordered with doors
  2. Server rail styles are only available on cabinets 36" (910 mm) or 39" (990 mm) in depth.
  3. Color refers to mounting rails and side panels and metal/perforated metal door panels. Frame is silver-colored anodized aluminum.
- For further assistance call 800-834-4969.



## T-Series SteelFrame Cabinet

The T-Series SteelFrame Cabinet is an affordable, steel cabinet that is an attractive solution for 19" EIA rack-mountable equipment. It is available as a fully configured cabinet with or without a Vertical Exhaust Duct or as a frame-only cabinet without side panels or doors.

Fully-adjustable EIA-310-D compliant vertical mounting rails accommodate depth-variable installation of 19" equipment and feature #12-24 tapped holes or square-punched holes to accept cage nut hardware. Additional CPI rails for special IBM® or Sun® equipment can also be used with the T-Series Cabinet.

### Specifications:

- Cabinet has two overall widths (T1 or T2); both support 19" EIA equipment
- Available with a Vertical Exhaust Duct to isolate and remove hot exhaust air from the cabinet
- Vertical cable manager is included with every cabinet
- Bay to T-Series Cabinets of same height and depth
- Mounting rails feature rack-mount unit marks, simplifying equipment installation
- Ships fully assembled
- Load rating: 2000 lb (907.2 kg)

### Cabinet Includes:

- (1) Four-Post Frame
- (4) Vertical Mounting Rails
- (2) Removable, Lockable Side Panels
- (1) Reversible, Lockable Front Door
- (1) Reversible, Lockable Rear Door
- (1) Vented Top Panel with six Cable Access Ports or  
(1) Solid Top Panel with five Cable Access Ports and a Vertical Exhaust Duct - Cabinets with Vertical Exhaust Duct also include (1) Air Dam Kit
- (1) Vertical Cable Manager (narrow or wide)
- (4) Leveling Feet
- (1) Multi-Bay Attachment Hardware Kit
- (1) Bag 50 #12-24 Screws (with tapped rails)
- (1) Combo Kit of #12-24 and M6 Cage Nuts and Screws (with square-punched rails)



# T-Series SteelFrame Cabinet System

## Dimensions

Height Dimensions - in (mm)		
<b>All Cabinet Styles</b>	<b>78 (1980)</b>	<b>84 (2130)</b>
Usable Vertical Panel Space	42U	45U
Overall Height without Leveling Feet	78.0 (1981)	84.0 (2134)
Overall Height with Leveling Feet	78.9 (2004)	84.9 (2156)
Overall Height with Casters	82.3 (2090)	88.3 (2243)
Frame Vertical Opening	74.0 (1880)	80.0 (2032)

Width Dimensions - in (mm)		
<b>Cabinet Style</b>	<b>T1</b>	<b>T2</b>
<b>Usable Equipment Panel Width</b>	<b>19" EIA</b>	<b>19" EIA</b>
Overall Width	24.0 (610)	27.3 (693)
Frame Horizontal Opening	19.9 (505)	19.9 (505)

Depth Dimensions - in (mm)					
<b>Cabinet Depth</b>	<b>22.6 (574)</b>	<b>30 (760)</b>	<b>36 (910)</b>	<b>39 (990)</b>	<b>44 (1120)</b>
Usable Depth	22.6 (574)	30.0 (762)	36.0 (914)	39.0 (990)	44.0 (1120)
Overall Depth - Frame Only	24.0 (610)	31.4 (798)	37.4 (950)	40.4 (1026)	45.4 (1153)
Overall Depth - Door to Door	27.0 (690)	34.4 (874)	40.4 (1026)	43.4 (1102)	48.4 (1229)

Shipping Weights - lb (kg)		
<b>All Cabinet Styles - in (mm)</b>	<b>78 (1980)</b>	<b>84 (2130)</b>
Minimum	122 (55.3)	124 (56.2)
Maximum	351 (159.2)	356 (161.5)

## Ordering Instructions (tables on next page)

When ordering **T-Series Cabinet**, the part number is always preceded by the letter **T**.

### 1st Digit - Width

The T-Series is offered in two overall widths, both support 19" EIA equipment. The wider T2 cabinet provides more room for cable management, while the narrow T1 cabinet is perfect for servers.

### 2nd Digit - Height

How tall a cabinet do you need?

### 3rd Digit - Depth

What is your maximum mounting depth requirement?

### 4th Digit - Cabinet Style

Choose your rail style and panel requirement. CPI offers either tapped 12-24 or square-punched vertical mounting rails. Square-punched rails have square holes to capture various size of cage nuts. Specialty rails are available as an accessory.

### 5th Digit - Color

Available in three standard colors

### 6th Digit - Doors

Appearance and ventilation requirements will determine your door style. Perforated front doors have a curved profile, all other doors are flat. All Doors include a swing handle latch with a keyed lock.

### 7th Digit - Shipping

T-Series Cabinets are fully assembled.

Cabinets are also available as a frame only (bottom matrix). For further assistance call 800-834-4969.



## Bottom Panel Kit



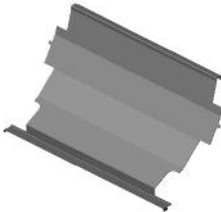
The bottom panel covers the bottom of the T-Series SteelFrame Cabinet to block airflow into and out of the base of the cabinet. Part of CPI's Passive Cooling Solution. Use with an Air Dam Kit and Snap-In Filler Panels to enhance front-to-rear or front-to-top airflow through cabinets when cabinets are supported on leveling feet or casters.

- Seals the base of 39"D (990 mm) and 44"D (1120 mm) T-Series SteelFrame Cabinets manufactured after May 2009
- Includes one brush-sealed, 3" x 11.5" (76 mm x 292 mm) cable access port located at the rear center of the panel
- Match to cabinet width (T1 or T2) and depth

Part Number	Description in (mm)	Shipping Weight lb (kg)
14274-X01	Bottom Panel Kit for T-Series SteelFrame Cabinet, T1 x 44 (1120)	17 (7.7)
14274-X02	Bottom Panel Kit for T-Series SteelFrame Cabinet, T2 x 44 (1120)	19 (8.6)
14274-X03	Bottom Panel Kit for T-Series SteelFrame Cabinet, T1 x 39 (990)	15 (6.8)
14274-X04	Bottom Panel Kit for T-Series SteelFrame Cabinet, T2 x 39 (990)	17 (7.7)

X=color: 1=Gray, 2=Computer White, 7=Black.

Patented



## Airflow Director

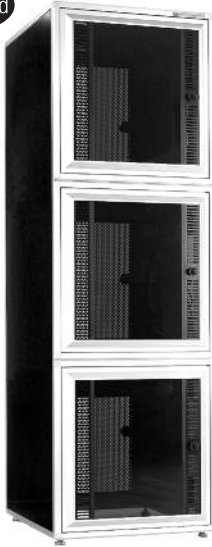
Direct hot exhaust air at the back of the cabinet from the bottom of the cabinet toward the top of the cabinet. Part of CPI Passive Cooling Solutions. Use with the T-Series SteelFrame Cabinet with Vertical Exhaust Duct, an Air Dam Kit and Snap-In Filler Panels to create one-way, front-to-top airflow through the cabinet.

- 9.9"H x 8.0"D (252 mm x 203 mm)
- Attaches to the cabinet frame; match to cabinet width: T1 or T2

Part Number	Description	Shipping Weight lb (kg)
14272-X01	Airflow Director Kit for T-Series (T1)	5 (2.3)
14272-X02	Airflow Director Kit for T-Series (T2)	5 (2.3)

X=color: 1=Gray, 2=Computer White, 7=Black.

Patented



## E-Series ISP Co-Location Cabinet

Three separate, secure compartments in 7' (2.1 m) cabinet provide 14 usable rack-mount space for equipment mounting in each compartment.

The E-Series ISP Co-Location Cabinet is available in standard 30" and 36" (760 mm and 910 mm) usable mounting depths to accommodate most file server variations. The internal width is 19" or 23".

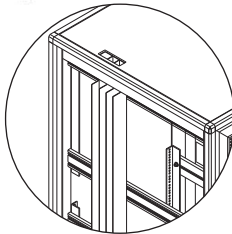
The cabinet features patented self-squaring construction to allow shipment in both fully assembled and partially assembled configurations. Partially assembled cabinets can be particularly beneficial for installations in buildings without freight loading docks or in multi-story facilities without freight elevator service.

A patented, secure, 3-channel vertical cable raceway provides security for both data and power to each compartment. The cable raceway accommodates either overhead or access floor cable access.

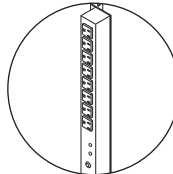
Separate power distribution to each compartment protects each co-locator's equipment from power surges or outages caused by adjacent co-locators. Front and rear doors are lockable. Optional keysets unique for each compartment available. Each of the three compartments includes a separate vertical power strip (see bottom of page).

Internal thermal management and power distribution has been greatly improved. E-Series Cabinets feature an optional door mounted rear fan that draws in ambient air and expels heated air for effective temperature maintenance. For optimum efficiency when using the fan, the rear door features a solid (rather than perforated) design.

Load Rating: 2000 lb (907.2 kg)



Patented, secure 3-channel raceway on each side of cabinet separates power and data cables for each compartment



Each compartment includes an eight-outlet power strip. Power strip is rated 125 VAC, 15 Amp with (8) NEMA 5-15R outlets and an attached 10'L (3 m) cord with a NEMA 5-15P plug.



Optional door-mounted fan keeps equipment cool. Fan is 200 CFM, 115 VAC, 50/60 Hz with an attached 2.5'L (0.7,) power cord with a NEMA 5-15P plug.

## Part Number Configurator

When ordering an **E-Series Cabinet**, the part number is always preceded by the letter **E**. Use the part number matrix below to configure your E-Series Cabinet. Choose the **Width**, **Height**, **Depth**, **Cabinet Style**, **Color**, **Door**, and Shipping **Option**.

**Example Cabinet Part Number:** E1051-732

**E** **W** **H** **D** **S** - **C** **D** **O**

2. Width/Rails		
in		
19, Tapped		<b>1</b>
23, Tapped		<b>2</b>
19, Square-punched		<b>3</b>
23, Square-punched		<b>4</b>

3. Height		
in	mm	
84	2130	<b>0</b>

(3), 14U compartments

4. Depth		
in	mm	
30	760	<b>3</b>
36	910	<b>5</b>

8. Shipping Option	
<b>1</b>	Knocked Down
<b>2</b>	Assembled

7. Doors	
<b>3</b>	Vented plexiglass front/perforated metal rear
<b>4</b>	Perforated metal front/perforated metal rear

Perforated metal doors are 63% open for high airflow

6. Color	
<b>1</b>	Gray
<b>2</b>	White
<b>7</b>	Black

5. Cabinet Style/Accessories	
<b>0</b>	Side panels, no fan, standard locks
<b>1</b>	Side panels, fan, standard locks
<b>2</b>	Side panels, no fan, custom-keyed locks
<b>3</b>	Side panels, fan, custom-keyed locks
<b>4</b>	Baying, no fan, standard locks
<b>5</b>	Baying, fan, standard locks
<b>6</b>	Baying, no fan, custom-keyed locks
<b>7</b>	Baying, fan, custom-keyed locks



Cabinet Style

### Notes:

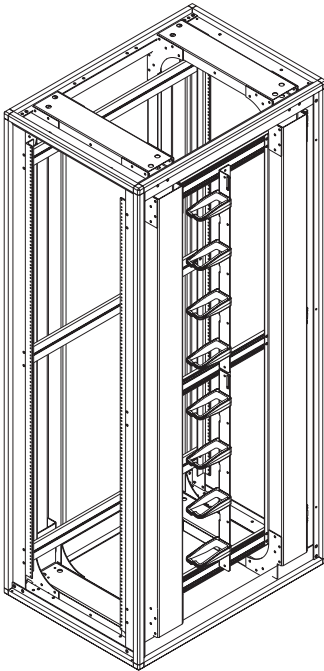
1. Color refers to mounting rails and side panels and metal/perforated metal door panels. Frame is silver-colored anodized aluminum. For further assistance call 800-834-4969.

## Seismic Frame® Cabinet System

Rated Zone 4 compliant to Bellcore GR-63-CORE for Network Equipment Building Systems (NEBS), Section 4.4.1.1, the Seismic Frame® Cabinet System is designed to withstand the seismic stress of an 8.3 Richter scale earthquake.

Offered in a 84"H x 19"W x 36"D (2130 mm x 910 mm) cabinet solution, the aluminum outer frame provides the sound structural environment necessary for sensitive Information Technology (IT) hardware components.

- Standard 19" EIA rack width
- Features square-punched mounting rails with rack-mount unit marks
- Aluminum outer frame with steel inner frame delivers maximum strength with minimum weight
- Seismic bracing kits and a full line of structural enhancement products are available to support site-specific structural requirements
- Internal cable management provides flexibility for wire routing and fits on-site customization
- Adjustable front to rear vertical mounting rails allow use as a standard four-post cabinet or two-channel rack
- Load Rating: 800 lb (362.9 kg) seismic



Closeup of reinforced inner frame

### Cabinet Dimensions

Usable Height 77.88" (1978.2 mm) or 43U  
 Usable Depth 36" (910 mm)  
 Usable Width 19"

Overall Height 84.13" (2136.9 mm)  
 Overall Depth (w/doors) 39.62" (1006.3 mm)  
 Overall Width 27.32" (693.9 mm)

Shipping Weight 286 lb Min / 376 lb Max  
 (129.7 kg) / (170.6 kg)

### 84" H x 19" W x 36" D (2130 mm x 910 mm) Seismic Cabinet

Part Number	Cabinet Door Style	
	Front	Rear
11972-X02	No Front	No Rear
11972-X12	Plexiglass	Metal
11972-X22	Metal	Metal
11972-X32	Vented Plexiglass	Perforated Metal
11972-X42	Perforated Metal	Perforated Metal

### 84" H x 19" W x 36" D (2130 mm x 910 mm) Without Side Panels

Part Number	Cabinet Door Style	
	Front	Rear
11973-X02	No Front	No Rear
11973-X12	Plexiglass	Metal
11973-X22	Metal	Metal
11973-X32	Vented Plexiglass	Perforated Metal
11973-X42	Perforated Metal	Perforated Metal

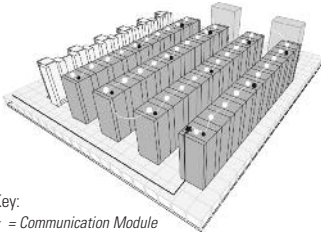
X=Color: 1=Gray, 2=White, 7=Black. Frame is anodized aluminum

### 84" H x 19" W x 36" D (2130 mm x 910 mm) Frame Only\*\*

Part Number	Cabinet Door Style
11974-X02	Frame Only

X=Color: 1=Gray, 2=White, 7=Black. \*\*Frame is anodized aluminum

# Electronic Locking System for CPI Cabinets



Key:

★ = Communication Module

● = Electronic Lock Control Module

Upgrade CPI Cabinets to automate security access to equipment with the Electronic Lock System. This IP addressable locking system is easy to configure and provides an electronic record of each cabinet access attempt. Combine a Communications Module with Electronic Lock Control Modules to build a network that will control cabinet access via Keypad Modules, Proximity Card Reader Modules and authorized IP control. Included software allows up to 10 levels of authorization, and provides monitoring and alarm reporting.

- The Communications Module provides a single network connection for monitoring up to 64 Lock Control Modules, 64 Keypad Modules and 64 Proximity Card Reader Modules and includes Windows®-compatible software that provides setup, monitoring, recording and remote access and alarm functions
- The Electronic Lock Control Module connects eight swing handles (four cabinets) to the Communications Module
- Add the Electronic Lock Upgrade Kit to each door and connect the lock to the Electronic Lock Control Module; use the extension cable, if required
- Add Keypads and/or Proximity Card Reader Modules to gain access at the cabinet; one Keypad or Proximity Card Reader Module can open multiple doors/cabinets



16147-050



16147-052



16147-062

Part Number	Description Length ft (m)	Shipping Weight lb (kg)
16147-050	Communications Module (includes mounting brackets, a null modem cable, lock control software CD and User Manual)	5 (2.3)
16147-052	Electronic Lock Control Module for 8 Handles (includes mounting brackets, 12 VDC power supply and a power cord with a NEMA 5-15P plug)	5 (2.3)
16147-060	Electronic Lock Upgrade Kit for TeraFrame Cabinet for a single solid metal or perforated metal front door, 1/door, 9 (2.7) cable	3 (1.4)
16147-061	Electronic Lock Upgrade Kit for TeraFrame Cabinet for a single solid plexiglass front door, 1/door, 9 (2.7) cable	3 (1.4)
16147-062	Electronic Lock Upgrade Kit with Integrated Keypad Module for TeraFrame Cabinet for a single solid metal or perforated metal front door, 1/door, 9 (2.7) cable	4 (1.8)
16147-063	Electronic Lock Upgrade Kit for TeraFrame Cabinet for a single or double, solid metal or perforated metal rear door, 1/door, 9 (2.7) cable	2 (0.9)

Note: Electronic Lock Upgrade Kit for the TeraFrame Cabinet will connect to existing slam or two-point latches. Modules are 1.25" H x 5.32" W x 11.77"D (32 mm x 135 mm x 229 mm)

The Communications, Electronic Lock Control and Proximity Card Reader Module connect with patch cords (see next page). The Keypad Module connects with the Keypad Module cables.



16147-008



16147-054



16147-030

## Optional Modules for the Electronic Locking For CPI Cabinets

### Keypad Module (recommended)

Enter door access codes at or near the cabinets on the Keypad Module. Enter the door swing handle number, and then enter the access code. When used with the Proximity Card Reader Module, enter the door swing handle number and use the proximity card as the access code.

### Proximity Card Reader Module (optional)

The Proximity Card Reader Module includes an external card reader and two proximity cards. Use the proximity cards as user access keys with the Keypad Module.

Part Number	Description Length ft (m)	Shipping Weight lb (kg)
16147-008	Keypad Module with one S1 to RJ-11 Cable, 9 (2.7)	1 (0.5)
16147-016	Keypad Module Cable, S1 to RJ-11, 9 (2.7)	1 (0.5)
16147-054	Proximity Card Reader Module , includes External Card Reader (also includes mounting brackets, 12 VDC power supply and a power cord with a NEMA 5-15P plug	5 (2.3)
16147-040	Extra Proximity Cards, Pack of 5	1 (0.5)

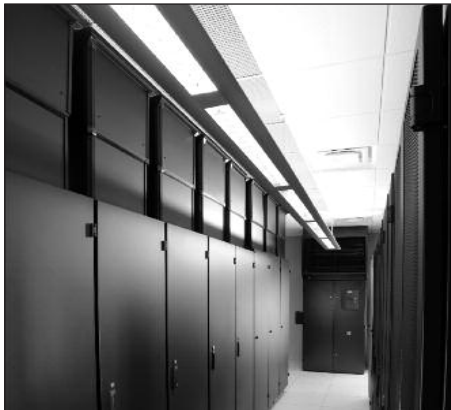
## Accessories for the Electronic Locking System for CPI Cabinets

Part Number	Description Length ft (m)	Shipping Weight lb (kg)
16147-015	Electronic Lock Extension Cable, 16 (5)	1 (0.5)
16147-020	Universal Mounting Bracket (included with 16147-050, 052 & 054)	1 (0.5)
16147-030	Power Supply and Cord (included with 16147-052 & 054)	1 (0.5)
16147-041	Electronic Locking System User Manual (included with 16147-050)	1 (0.5)
16147-042	Electronic Locking System Software CD (included with 16147-050)	1 (0.5)
60070-007	Network Patch Cord, RJ-45, 7 (2.1)	1 (0.5)
60070-014	Network Patch Cord, RJ-45, 14 (4.3)	1 (0.5)
60070-025	Network Patch Cord, RJ-45, 25 (7.6)	1 (0.5)
60074-001	RJ-45 F/F Coupler Kit (Pack of 4)	1 (0.5)



## Thermal Management For Cabinet & Enclosure Systems

The biggest challenge in today's data center is thermal management, which is no surprise considering the average heat load generated per equipment cabinet has doubled since 2000. Creating a properly configured cabinet that works with your data center's cooling system to control airflow and maximize cooling effectiveness is vital to success. Not only is it important to create a properly configured cabinet, but arranging cabinets in a hot aisle/cold aisle layout enhances thermal conditions and establishes one-way airflow through the cabinet space.



CPI provides a wide range of innovative thermal management solutions that are designed to channel cool air to the front of equipment cabinets where it is needed most. Our most recent approach to cooling the data center involves CPI Passive Cooling® Solutions. This solution allows customers to reclaim control over airflow so it can be directed where it is needed, eliminating bypass and re-circulation of hot exhaust air and the formation of hot spots.



### Snap-In Filler Panel

Block airflow through open rack-mount spaces to help keep hot air at the back of the cabinet. Snap-In Filler Panels can be used in any 19"W CPI Cabinet that has square-punched equipment mounting rails.

Part Number	Description H x W (in)	Shipping Weight lb (kg)
34537-000	1U x 19, Black, 1 Each	1 (0.5)
34538-000	2U x 19, Black, 1 Each	2 (0.9)
34537-001	1U x 19, Black, 6 Each	4 (1.8)
34538-001	2U x 19, Black, 6 Each	4 (1.8)
34537-002	1U x 19, Black, 50 each	22 (10.0)
34538-002	2U x 19, Black, 50 each	35 (15.9)

## KoldLok® Raised Floor Grommet

The KoldLok® Raised Floor Grommet blocks airflow from escaping through cable access holes in access floor environments — significantly increasing cooling effectiveness in the data center. A double layer of premium grade Nylon 6 brushes creates a seal around cables preventing cold air from escaping. Brushes will not break or deform from repeated use. Most brush filaments are treated to dissipate static build-up. Grommets are easy to install in the middle or along the edge of floor tiles and allow large bundles of cables and large power connectors to pass through the opening.

Brushes are easy to install in the middle or along the edge of floor tiles and allow large bundles of cables and large power connectors to pass through the opening.

- Use Integral Grommets (13571-00X) for new cable access holes; an integrated sleeve passes through the hole to protect cables
- Use Split Integral Grommets (13671-00X) for new cable access holes at the edge of tiles; Grommet comes apart to release cables
- Use Surface-Mount (13576-00X), Large Surface-Mount (12676-00X) and Extra-Large Surface-Mount Grommets (13677-00X) to cover existing holes
- Large and Extra-Large Surface-Mount Grommets include a two-piece steel plate that covers a larger hole in the floor; the cable opening is the same
- Use 3" (75 mm) and 6" (150 mm) Extended Brush Grommets (13674-00X and 13675-00X) to cover long, narrow cuts in 24" and 600 mm access floor tiles
- Use Mini Grommet (13871-00X) and Mini Grommet with untreated brush filaments (13872-00X) for new installations; flush-mount design with a sleeve that protects cables as they pass through the floor



13571



13676



13671



13675



13576



13871

Part Number		Description in (mm)	Overall Size H x W x D in (mm)	Shipping Weight lb (kg)
1 Each	10 Each			
13571-001	13571-002	Integral Grommet	1-5/8 x 11 x 8-1/4 (41 x 280 x 210)	18 (8.2)
13671-001	13671-002	Split Integral Grommet	1-5/8 x 11 x 8-1/4 (41 x 280 x 210)	20 (9.1)
13576-001	13576-002	Surface-Mount Grommet	1-1/8 x 11 x 8-1/4 (29 x 280 x 210)	21 (9.5)
13676-001	13676-002	Large Surface-Mount Grommet	1-15/16 x 12 x 11-3/4 (33 x 305 x 298)	43 (19.5)
13677-001	13677-002	Extra-Large Surface-Mount Grommet	1-15/16 x 12 x 15 (33 x 305 x 381)	43 (19.5)
13674-001	13674-002	Extended 3 (75) Brush, 24 (610)	1 x 24 x 5 (25 x 610 x 130)	29 (13.2)
13675-001	13675-002	Extended 6 (150) Brush, 24 (610)	1 x 24 x 8 (25 x 610 x 200)	37 (16.8)
13871-001	13871-002	Mini Grommet	1.5 x 7.7 x 5.7 (38 x 190 x 145)	5 (2.3)
13872-001	13872-002	Mini Grommet; no static dissipation	1.5 x 7.7 x 5.7 (38 x 190 x 145)	5 (2.3)

Part Number	Cable Opening W x D - in (mm)	Maximum Hole in Floor W x D - in (mm)
13571-00X	8 x 4 (200 x 100)	9-3/16 x 6-3/4 (234 x 172)
13671-00X	8 x 4 (200 x 100)	9-3/16 x 6-3/4 (234 x 172)
13576-00X	8 x 4 (200 x 100)	10 x 7-1/4 (250 x 185)
13676-00X	8 x 4 (200 x 100)	10 x 9-3/4 (250 x 248)
13677-00X	8 x 4 (200 x 100)	10 x 13 (250 x 330)
13674-00X	22 x 2-1/2 (560 x 64)	22 x 2-1/2 (560 x 64)
13675-00X	22 x 5-1/2 (560 x 140)	22 x 5-1/2 (560 x 140)
13871-00X	5 x 2-1/2 (130 x 64)	6 x 4 (150 x 100)
13872-00X	5 x 2-1/2 (130 x 64)	6 x 4 (150 x 100)

*Note: Large and Extra-Large Surface-Mount Grommets include grommets and steel plates which ship in separate boxes.*

*Shipping Weights are for 10 each; P/N (-002).*



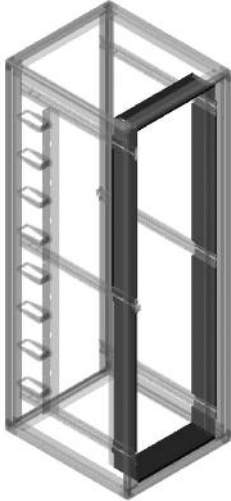
# Air Dam Kit - Cabinet Airflow Baffles

The Air Dam Kit creates a barrier between the cabinet door and the front of equipment along the top, bottom and sides of the cabinet. When used in combination with perforated front and rear doors, the Air Dam Kit helps to channel cool air to the front of equipment and also helps to prevent the mixing of heated air from the rear of the cabinet with cool air at the front of the cabinet.

- Use on M-Series MegaFrame, C-Series SlimFrame and T-Series SteelFrame Cabinet Systems
- 5" D (130 mm) baffles

**Kit consists of:**

- (1) Top baffle
- (1) Bottom baffle
- (4) Small side baffles
- (4) Large side baffles
- Installation hardware



Part Number	Description H x W in (mm)	Shipping Weight lb (kg)
<b>For M-Series MegaFrame Cabinet System</b>		
13336-X10	84 (2130) x 19	11 (5.0)
13336-X11	78 (1980) x 19	10 (4.5)
13336-X12	72 (1830) x 19	10 (4.5)
13336-X15	48 (1220) x 19	8 (3.6)
13336-X20	84 (2130) x 23	11 (5.0)
13336-X21	78 (1980) x 23	10 (4.5)
13336-X22	72 (1830) x 23	10 (4.5)
13336-X25	48 (1220) x 23	8 (3.6)
<b>For C-Series SlimFrame Cabinet System</b>		
13336-X10	84 (2130) x 19	11 (5.0)
13336-X11	78 (1980) x 19	10 (4.5)
13336-X12	72 (1830) x 19	10 (4.5)
<b>For T-Series SteelFrame Cabinet System</b>		
13338-X10	84 (2130) x 19	11 (5.0)
13338-X11	78 (1980) x 19	10 (4.5)

X=Color: 1=Gray, 2=White, 7=Black

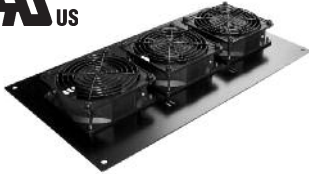


## Fan Kit For M-Series MegaFrame

The MegaFrame Fan Kit provides optional ventilation and cooling for the cabinet.

- Four fans mount on two interchangeable frames to fit cabinet top panel
- Grill design and ball-bearing motor offer longer life and quiet operation
- Each fan frame has an IEC C-14 power inlet
- Includes a detachable 15'L (4.6 m) power cord with a molded plug
- Provides up to 400 CFM of ventilation for cabinet
- Can be used on the MegaFrame, SlimFrame and Seismic Frame Cabinets
- UL Recognized

Part Number	Description / Color	Shipping Weight lb (kg)
<b>Cooling Fan Kit - 400 CFM</b>		
12480-701	Black, 115 VAC, 50/60 Hz, NEMA 5-15P	6 (2.7)
12480-702	Black, 230 VAC, 50/60 Hz, NEMA 6-15P	6 (2.7)



## Fan Kit For T-Series SteelFrame

The T-Series Fan Kit provides optional ventilation and cooling with the built-in redundancy of a three-fan system. Fans exhaust warm air out of the top of the cabinet.

- Provides up to 300 CFM of ventilation for cabinet
- Quick, easy mounting to the inside of the top panel (not for use in cabinets that have a Vertical Exhaust Duct)
- IEC C-14 power inlet, includes a 12'L (3.7 m) detachable power cord with an IEC C-13 connector and molded NEMA 5-15P plug for 115V application or 6-15P Plug for 230V applications
- UL Recognized

Part Number	Description / Color	Shipping Weight lb (kg)
12724-701	Black, 115 VAC, 50/60 Hz, NEMA 5-15P	8 (3.6)
12724-702	Black, 230 VAC, 50/60 Hz, NEMA 6-15P	8 (3.6)

### Fan Specifications - Each Fan

Operating Voltage	Airflow	Noise Level (1 Meter Max)	Power Consumption	Operating Frequency
115 VAC	100 CFM	37 dBA	15 Watts	50/60 Hz
230 VAC	100 CFM	37 dBA	15 Watts	50/60 Hz

## Intelligent & Standard Fan Doors



Intelligent Fan Door



Standard Fan Door

The Intelligent Fan Door, when used as the rear door on a cabinet, removes heated air and prevents the build up of heated air inside the cabinet, which can cause equipment to overheat and shut down.

Intelligent Fan Door 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. Peak exhaust airflow can reach 960 CFM. Intelligence allows this system to deliver cooling when and where it's needed while keeping the noise to a minimum.

Standard Fan Door using single-speed fans are also available. They provide 100 CFM per fan for a total of 800 CFM.

- Use Intelligent Fan Doors on the rear of CPI M-Series MegaFrame, C-Series SlimFrame or T-Series SteelFrame Cabinets that support rack-mount computer and data storage equipment
- Multiple IEC C-14 power connections allow attachment to different circuits for power redundancy (2 connections/4 fans each)
- 115 VAC/60 Hz fans includes two detachable power cords with IEC C-13 to NEMA 5-15P plugs

### MegaFrame & SlimFrame Fan Doors

Door Type	
13212	Intelligent Fan Doors for MegaFrame
13222	Standard Fan Doors for MegaFrame
13213	Intelligent Fan Doors for SlimFrame
13223	Standard Fan Doors for SlimFrame

Color	
1	Gray
2	White
7	Black

Cabinet Width	
1	19" Rack-Mount
2	23" Rack-Mount

Cabinet Height - in (mm)	
0	84 (2130) Overall
1	78 (1980) Overall
2	72 (1830) Overall
5	48 (1220) Overall*

132xx	-	x	x	x
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### SteelFrame Fan Doors

Door Type	
13214	Intelligent Fan Doors for SteelFrame
13224	Standard Fan Doors for SteelFrame

Color	
1	Gray
2	White
7	Black

Cabinet Width - in (mm)	
1	24 (610) Overall (19" Rack-Mount)
2	27.3 (693) Overall (19" Rack-Mount)

Cabinet Height - in (mm)	
0	84 (2130) Overall
1	78 (1980) Overall

132xx	-	x	x	x
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Notes:

Not for use with cabinets that have a Vertical Exhaust Duct.

-Intelligent, full height; 960 CFM/60 Hz, 115 VAC, 2 x NEMA 5-15P

-Standard, full height; 800 CFM/60 Hz, 115 VAC, 2 x NEMA 5-15P

-Intelligent, 48"H (1220 mm); 480 CFM/60 Hz, 115 VAC, 1 x NEMA 5-15P

-Standard 48"H (1220 mm); 400 CFM/60 Hz, 115 VAC, 1 x NEMA 5-15P

\*Only available for M-Series MegaFrame Cabinets.

(1) power connection, 480 CFM (Intelligent), 400 CFM (Standard)

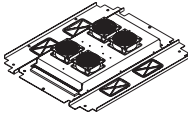
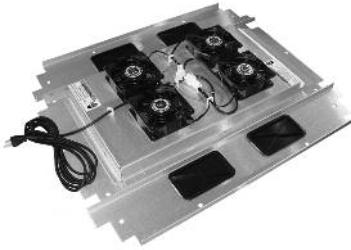
## Filtered Ventilation System For 30"D (760 mm) MegaFrame® Cabinets

The Deluxe Filter Cabinet Ventilation System provides "positive pressure" inside the cabinet ensuring the highest level of protection from airborne dust particles. This system has the fans and filters installed at the bottom of the cabinet. Air exhausts through vents in the cabinet top. Equipment may not be mounted in the 2U at the bottom of the cabinet to allow clearance for cabinet intake air.

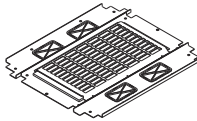
The Standard Filter Cabinet Ventilation System is for the retrofitting of MegaFrame Cabinets with fans already located on the cabinet top.

- For 19" and 23"W x 30"D (760 mm) MegaFrames
- Air Filter Kit with 115 VAC fans provides up to 400 CFM and has an attached 15'L (4.6 m) power cord with a NEMA 5-15P plug
- Air Filter Kit with 230 VAC, 50/60 Hz fans provides up to 400 CFM and has an attached 15'L (4.6 m) power cord with a NEMA 6-15P plug
- Trim-to-fit filter media is readily available from many commercial suppliers or can be ordered from CPI
- 3/8" (9.53 mm) thick filter provides 70-75% dust particle retention
- One filter provided with each kit

*Note: This product only available for 30"D (760 mm) MegaFrame Cabinets. Unit will generate 48 db noise level. For other depths, contact Technical Support at 800-834-4969.*



12511-50X  
Air Filter Kit with Fans



12510-50X  
Air Filter Kit w/o Fans

Part Number		Description	Shipping Weight lb (kg)
19"	23"		
<b>Deluxe Filter Cabinet Ventilation System</b>			
12511-501	12511-502	Air Filter Kit w/ 115 VAC Fans	22 (10.0)
12511-503	12511-504	Air Filter Kit w/ 230 VAC Fans	22 (10.0)
<b>Standard Filter Cabinet Ventilation System</b>			
12510-501	12510-502	Air Filter Kit w/o Fans	13 (5.9)
<b>Accessories - in (mm)</b>			
12507-001	12 X 24 X 3/8 (300 x 610 x 9.53)	Filter, 6 Pack	1 (0.5)
12505-001	Foam Insert, 2 Pack (for cable ports)		1 (0.5)

# Cable Management Overview For Cabinet & Enclosure Systems

CPI offers a variety of optional Cable Management Products for our Cabinet and Enclosure Systems to manage power and network cables.

The MegaFrame, SlimFrame and SteelFrame Cabinet Systems contain internal cable management space along both sides of the frame. Vertical ring style and enhanced trough style cable managers are available. These cable managers can be attached to the frame and adjusted from front-to-rear, independently of the mounting rails. The SteelFrame Cabinet also offers an External Cable Manager available on the 84"H x 39"D (2130 mm x 990 mm) model that attaches to the side of the cabinet.

CPI's TeraFrame Cabinet System offers optional network cable managers that attach to the equipment mounting rails and power strip/cord managers which connect to the cabinet frame, keeping cables separated. One cable manager can be attached to each mounting rail within the cabinet.

Patented



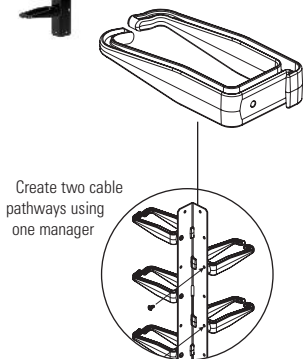
## Vertical Cable Manager

The Vertical Cable Manager provides cable management in addition to the Integrated Cable Manager. Available for 72", 78" and 84" (1830 mm, 1980 mm and 2130 mm) cabinets.

- Includes one pair of sections and eight rings
- Large 2.3"W x 5.5"D (58 mm x 140 mm) heavy duty plastic rings with rounded edges organize and protect cable sheaths
- Ships pre-assembled
- Position anywhere along horizontal mounting rails
- Use with MegaFrame, Seismic Frame, and SteelFrame T2 Series of cabinets; use with SlimFrame when bayed without side panels

Part Number	Color Height (pair) in (mm)	Shipping Weight lb (kg)
12465-X05	Cabling Ring Section, 72 (1830)	7 (3.2)
12465-X06	Cabling Ring Section, 78 (1980)	7 (3.2)
12465-X07	Cabling Ring Section,r 84 (2130)	7 (3.2)

X=color: 1=Gray, 2=White, 7=Black. Rings are black.

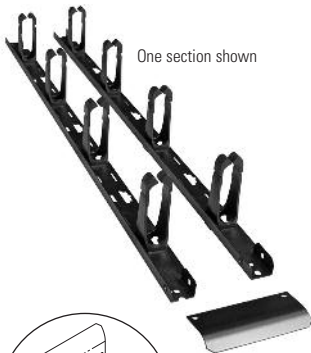


## Vertical Cabling Ring Accessory Kit

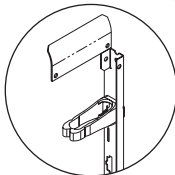
Add additional cable rings to the Vertical Cable Manager for easy cable segregation. Each ring can be oriented parallel or perpendicular to the cabinet's mounting rails.

- Add to Vertical Cable Manager
- Includes (8) heavy-duty molded plastic cable rings and (8) mounting screws
- U-ring design allows easy insertion of cable, providing more flexibility in cable management
- Rounded edges protect cable sheaths

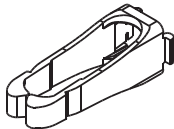
Part Number	Description	Shipping Weight lb (kg)
14068-701	8 Cable Rings, Black	3 (1.4)



One section shown



Control radius shown attached to bracket



## Narrow Vertical Cable Manager

This space-saving manager is ideal in CPI's narrower SlimFrame C-Series and SteelFrame (T1 Series) Cabinets.

- Rings snap on, making new configurations a simple process
- Control radius helps maintain a proper bend radius in cables
- Designed for use in SlimFrame and SteelFrame T1 Series Cabinets
- Includes (2) vertical mounting brackets, (8) pre-assembled cable rings, (1) control radius and (1) hardware kit

Part Number	Section Dimensions H x W x D in (mm)	Shipping Weight lb (kg)
11809-X00	For 84"H (2130 mm) Cabinet, 1 Pair 34.7 x 1.75 x 4.13 (881 x 44.5 x 104.9)	5 (2.3)
11809-X01	For 78"H (1980 mm) Cabinet, 1 Pair 31.7 x 1.75 x 4.13 (44.5 x 104.9 x 805)	5 (2.3)
11809-X02	For 72"H (1830 mm) Cabinet, 1 Pair 28.7 x 1.75 x 4.13 (44.5 x 104.9 x 729)	4 (1.8)

X=color: 1=Gray, 2=White, 7=Black (Rings are black.)

## Narrow Vertical Cabling Ring Accessory Kit

Add additional cable rings to the Narrow Vertical Cable Manager for additional configurations.

- Contains (8) black 1.40"H x 1.45"W x 4.13"D (36.8 mm x 104.9 mm x 35.6 mm) plastic U-rings
- U-ring design allows for easy insertion of cables

Part Number	Description	Shipping Weight lb (kg)
11817-001	8 Black Narrow Cable Rings	1 (0.5)

Patented



## Horizontal Cable Tray

Network cabling is neatly stored in the tray, but hidden from view. Designed to complement M-Series and T-2 Series SteelFrame vertical cable rings.

- Creates a 6"W (150 mm) internal cable pathway
- Sold in pairs
- Supports up to 50 lb (22.7 kg)

Part Number		Shipping Weight lb (kg)
19" Rack	23" Rack	
10365-X19	10365-X23	4 (1.8)

X=color: 1=Gray, 2=White, 7=Black

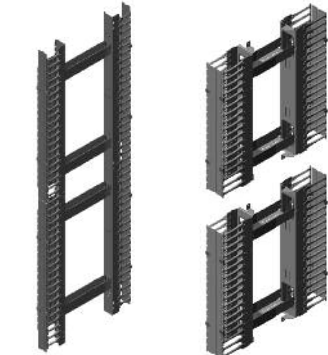
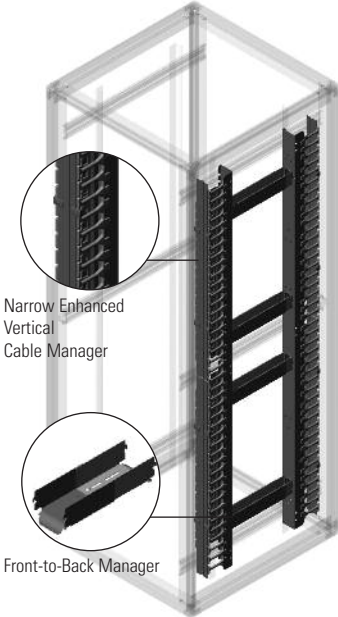


# Enhanced Cable Managers

Enhanced Vertical Managers allow cables to be organized by rack-mount unit, making it easier to trace individual cables during moves, adds and changes. Additionally, two Enhanced Vertical Managers can be connected with Front-to-Back Managers (as shown) to create a complete pathway for cables that connect network switches and computers within the same or adjacent cabinets.

Enhanced Vertical Managers are available in two sizes for large and extra-large cable capacities. The narrow version can be added to any MegaFrame Cabinet. The wide version is used in any 23"W MegaFrame Cabinet that has been converted into a 19" rack solution with CPI's 23"-19" Rail Adapter Kit (P/N 10587, page 2-83). Both models include a lockable, snap-on door to protect cables. The matching Front-to-Back Managers (sold in pairs) snap onto the vertical managers and adjust to match the depth of the cable managers.

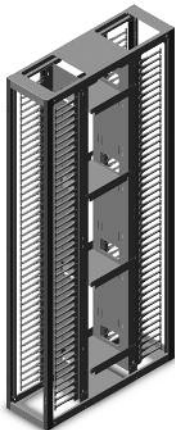
- Cable openings in Enhanced Vertical Manager allow cables to exit by rack-mount unit; openings have rounded edges to protect cable and will not deform or break
- The back side of the Enhanced Vertical Manager has four edge-protected cable pass-through ports for front-to-back cabling
- Cover snaps on and opens to the right or left
- Front-to-Back Managers adjust in depth to connect the front and rear Enhanced Vertical Manager
- Constructed of high-strength lightweight aluminum



Shown:  
(2) 13171-700  
(2) 13169-701

Shown:  
(2) 13170-700  
(2) 13168-701

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
<b>Enhanced Vertical Manager, Narrow</b>		
13171-702	72 x 3.50 x 5.23 (1830 x 88.9 x 132.8)	9 (4.1)
13171-701	78 x 3.50 x 5.23 (1980 x 88.9 x 132.8)	10 (4.5)
13171-700	84 x 3.50 x 5.23 (2130 x 88.9 x 132.8)	11 (5.0)
<b>Enhanced Vertical Manager, Wide</b>		
13170-702	72 x 4.75 x 8.77 (1830 x 120.7 x 222.8)	11 (5.0)
13170-701	78 x 4.75 x 8.77 (1980 x 120.7 x 222.8)	12 (5.4)
13170-700	84 x 4.75 x 8.77 (2130 x 120.7 x 222.8)	13 (5.9)
<b>Front-to-Back Horizontal Manager, Narrow</b>		
13169-701	2.38 x 1.74 (60.5 x 44.2), 2 each	3 (1.4)
<b>Front-to-Back Horizontal Manager, Wide</b>		
13168-701	2.38 x 3.77 (60.5 x 95.8), 2 each	2 (0.9)



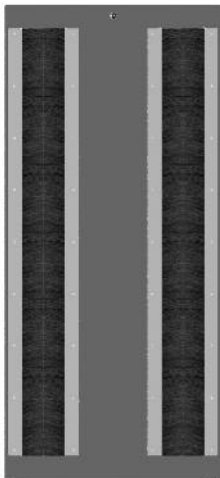
12" version shown without doors

## External Cable Manager for T-Series SteelFrame Cabinet

- Attach to the side of the cabinet
- Creates vertical and front-to-rear cable pathways
- T-shaped cable fingers guide cables
- Vertical cable openings align with rack-mount spaces in the cabinet
- Solid bottom with brushed cable access
- Top is open over the front and rear vertical manager
- Includes solid locking front and rear doors
- Matches height and depth of cabinet
- Two sizes available: 6"W or 12"W (150 mm or 300 mm)

Part Number	Description W x D in (mm)	Shipping Weight lb (kg)
16144-X50	6 x 36 (150 x 910)	111 (50.3)
16145-X50	12 x 36 (300 x 910)	127 (57.6)
16144-X40	6 x 39 (150 x 990)	114 (51.7)
16145-X40	12 x 39 (300 x 990)	131 (59.4)

X=Color: 1=Gray, 2=White, 7=Black



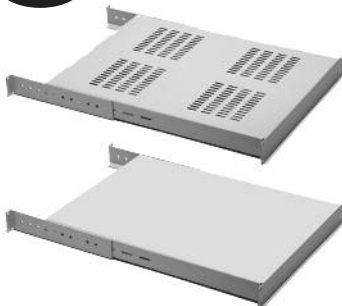
## Therma-Stop Brush Side Panel

- Use in between the cabinet and External Cable Manager
- Front and rear brush cable openings block airflow between cabinets
- Includes a keyed lock
- Matches the depth of the cabinet or cable manager

Part Number	Description Depth in (mm)	Shipping Weight lb (kg)
16143-X50	Brush, Locking, 36 (910)	63 (28.6)
16143-X40	Brush, Locking, 39 (990)	68 (30.8)

X=Color: 1=Gray, 2=White, 7=Black

2U



## Fixed Shelf

Use fixed shelves to support equipment without rack-mounted brackets such as modems, CPUs, small power supplies, monitors, etc. 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.

Three depths are offered in 18", 24" and 29" (460 mm, 610 mm and 740 mm) to provide clearance for cables, ventilation, power strips, etc. 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. Available in vented and non-vented styles. Vented shelves are designed to optimize airflow through cabinet. Sold individually.

- Made of strong, lightweight aluminum
- Accommodates the Monitor Tie-Down Bracket, P/N 11725-X01
- Installs using (8) #12-24 screws (not included)
- 19" shelf supports up to 250 lb (113.4 kg)
- 23" shelf supports up to 200 lb (90.7 kg)
- 19" shelves are UL Listed

Part Number	Color	Shipping Weight lb (kg)
<b>19"W x 18"D (460 mm) Fixed Shelf, non-vented</b>		
12336-119	Gray	7 (3.2)
12336-219	Computer White	7 (3.2)
12336-719	Black	7 (3.2)
<b>19"W x 18"D (460 mm) Fixed Shelf, vented</b>		
12337-119	Gray	7 (3.2)
12337-219	Computer White	7 (3.2)
12337-719	Black	7 (3.2)
<b>19"W x 24"D (610 mm) Fixed Shelf, non-vented</b>		
12334-119	Gray	9 (4.1)
12334-219	Computer White	9 (4.1)
12334-719	Black	9 (4.1)
<b>19"W x 24"D (610 mm) Fixed Shelf, vented</b>		
12335-119	Gray	9 (4.1)
12335-219	Computer White	9 (4.1)
12335-719	Black	9 (4.1)
<b>19"W x 29"D (740 mm) Fixed Shelf, non-vented</b>		
14070-119	Gray	11 (5.0)
14070-219	Computer White	11 (5.0)
14070-719	Black	11 (5.0)
<b>19"W x 29"D (740 mm) Fixed Shelf, vented</b>		
14072-119	Gray	10 (4.5)
14072-219	Computer White	10 (4.5)
14072-719	Black	10 (4.5)

Part Number	Color	Shipping Weight lb (kg)
<b>23"W x 18"D (460 mm) Fixed Shelf, non-vented</b>		
12336-123	Gray	8 (3.6)
12336-223	Computer White	8 (3.6)
12336-723	Black	8 (3.6)
<b>23"W x 18"D (460 mm) Fixed Shelf, vented</b>		
12337-123	Gray	8 (3.6)
12337-223	Computer White	8 (3.6)
12337-723	Black	8 (3.6)
<b>23"W x 24"D (610 mm) Fixed Shelf, non-vented</b>		
12334-123	Gray	10 (4.5)
12334-223	Computer White	10 (4.5)
12334-723	Black	10 (4.5)
<b>23"W x 24"D (610 mm) Fixed Shelf, vented</b>		
12335-123	Gray	10 (4.5)
12335-223	Computer White	10 (4.5)
12335-723	Black	10 (4.5)
<b>23"W x 29"D (740 mm) Fixed Shelf, non-vented</b>		
14070-123	Gray	12 (5.4)
14070-223	Computer White	12 (5.4)
14070-723	Black	12 (5.4)
<b>23"W x 29"D (740 mm) Fixed Shelf, vented</b>		
14072-123	Gray	11 (5.0)
14072-223	Computer White	11 (5.0)
14072-723	Black	11 (5.0)

2U



## Sliding Shelf

These specially designed shelves are suitable for applications where there is a need to access installed equipment for maintenance, upgrading, cleaning, etc. The cable management arm prevents cable damage during shelf extension or retraction. It also maintains proper bend radius of cable.

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, power strips, etc. 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. Offered in either vented or non-vented styles. Vented shelves are designed to optimize airflow. Sold individually.

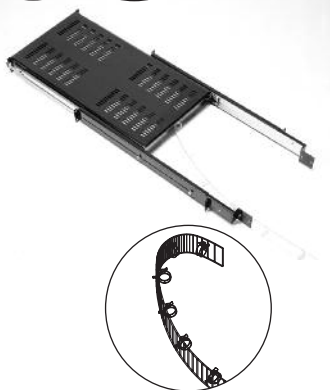
- Extends 17" (430 mm) for 18"D (460 mm) shelf and 23" (580 mm) for 24"D (610 mm)
- Offered in 18" (460 mm) or 24" (610 mm) depth, vented or non-vented
- Made of strong, lightweight aluminum
- Shelf locks in closed or fully open position, providing stability
- Ships fully assembled, installs using (8) #12-24 screws (not included)
- Fits cabinets that are 30"D (760 mm) or less
- Accommodates the Monitor Tie-Down Bracket, P/N 11725-X01
- Supports up to 140 lb (63.5 kg)

Part Number	Color	Shipping Weight lb (kg)
<b>19"W x 18"D (460 mm) Sliding Shelf, non-vented</b>		
12338-119	Gray	13 (5.9)
12338-219	Computer White	13 (5.9)
12338-719	Black	13 (5.9)
<b>19"W x 18"D (460 mm) Sliding Shelf, vented</b>		
12339-119	Gray	13 (5.9)
12339-219	Computer White	13 (5.9)
12339-719	Black	13 (5.9)
<b>19"W x 24"D (610 mm) Sliding Shelf, non-vented</b>		
12345-119	Gray	16 (7.3)
12345-219	Computer White	16 (7.3)
12345-719	Black	16 (7.3)
<b>19"W x 24"D (610 mm) Sliding Shelf, vented</b>		
12346-119	Gray	16 (7.3)
12346-219	Computer White	16 (7.3)
12346-719	Black	16 (7.3)

Part Number	Color	Shipping Weight lb (kg)
<b>23"W x 18"D (460 mm) Sliding Shelf, non-vented</b>		
12338-123	Gray	14 (6.4)
12338-223	Computer White	14 (6.4)
12338-723	Black	14 (6.4)
<b>23"W x 18"D (460 mm) Sliding Shelf, vented</b>		
12339-123	Gray	14 (6.4)
12339-223	Computer White	14 (6.4)
12339-723	Black	14 (6.4)
<b>23"W x 24"D (610 mm) Sliding Shelf, non-vented</b>		
12345-123	Gray	17 (7.7)
12345-223	Computer White	17 (7.7)
12345-723	Black	17 (7.7)
<b>23"W x 24"D (610 mm) Sliding Shelf, vented</b>		
12346-123	Gray	17 (7.7)
12346-223	Computer White	17 (7.7)
12346-723	Black	17 (7.7)

2U

Patented



Flexible cable manager

## 32" Deep (810 mm) Sliding Shelf

Unlike most storage solutions that 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	Style	Shipping Weight lb (kg)
<b>19"W x 32"D (810 mm) Sliding Shelf</b>		
11913-X19	Vented	25 (11.3)
<b>19"W x 32"D (810 mm) Sliding Shelf</b>		
11914-X19	Non-Vented	25 (11.3)
<b>23"W x 32"D (810 mm) Sliding Shelf</b>		
11913-X23	Vented	25 (11.3)
<b>23"W x 32"D (810 mm) Sliding Shelf</b>		
11914-X23	Non-Vented	25 (11.3)

X=Color: 1=Gray, 2=White, 7=Black

2U

Patented



Patented shelf extends a full 24" (610 mm)

## Extra Heavy Duty Sliding Shelf

Shelf provides support 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

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, 2=White, 7=Black



## Rack-Mount Cable Shelf

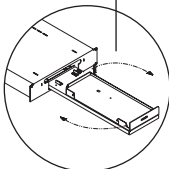
Use Rack-Mount Cable Shelf in any 19" W CPI cabinet equipped with an Air Dam Kit to provide a front-to-rear pathway for cables. Cables pass through brush sealed ports along the front of the shelf. Rack-Mount Cable Shelf uses 1U and will fit in cabinets with mounting rails set between 22" and 40" D (560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

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

2U



Note: Monitor Tie-Down Kit, see Page 2-74, can be used with this product to securely hold your monitor to the shelf.



## Monitor Shelf And Sliding Keyboard Tray With Mouse Pad

Provides a compact solution for storing and accessing components. Installs using eight #12-24 screws (not included).

- Adjustable mounting depth of 23" to 39" D (580 mm to 990 mm)
- Tray fits up to 19.1" W x 8.5" D (485 mm x 216 mm) keyboards
- Tray and mouse pad store inside the monitor shelf
- Keyboard tray locks into position
- Mouse pad is 7" x 7" (180 mm x 180 mm)
- Monitor shelf supports up to 200 lb (90.7 kg)

Part Number		Shipping Weight lb (kg)
19" Wide	23" Wide	
12495-X19	12495-X23	23/24 (10.4/10.9)

X=color: 1=Gray, 2=White, 7=Black

1U



## Flush-Mounting Sliding Keyboard Tray With Wrist Rest

This space-saving keyboard tray requires only 1U.

- Extends 11" (280 mm) giving full access to keyboard
- Ball bearing slide produces smooth operation
- Locks in open position
- 19" holds up to 16.37" W x 7.67" D (415.8 mm x 194.8 mm) keyboards
- 23" holds up to 20.37" W x 8.67" D (517.4 mm x 220.2 mm) keyboards
- Mounting hardware not included

Part Number	Description	Shipping Weight lb (kg)
15555-X19	For 19" Rack	9 (4.1)
15556-X23	For 23" Rack	10 (4.5)

X=color: 1=Gray, 2=White, 7=Black

1U

Keyboard  
included

LCD Monitor+Shelf is offered on Page 2-66. Purchase both the Monitor+Shelf and Keyboard+Tray in the Space Saving Duo also listed on Page 2-66.

## Keyboard+ Tray

The Keyboard+Tray features an IBM-compatible (PC, XT, AT and PS/2) keyboard tray with 104 full-size keys.

- Contains a built-in trackpad, eliminating the need for a mouse, tail and separate tray
- Features two PS/2 standard connectors-one keyboard, one mouse
- Ships fully assembled
- Mounting hardware not included

Part Number	Description	Shipping Weight lb (kg)
13480-719	4-Post, Keyboard+Tray, Black	13 (5.9)
13480-729	4-Post, Keyboard+Tray, With Gold Contacts	13 (5.9)



1U



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 (4534 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 & 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, 2=White, 7=Black



**Includes:**

LCD panel, a keyboard with touch pad, (1) VGA + 2xPS/2 signal cable and (1) USB cable.

15" and 17" LCD models attach to rails spaced 26.8" to 32.8" (681 mm - 835 mm) apart; 19" LCD models attach to rails spaced 29.2" to 35.3" (742 mm - 897 mm) apart.

## LCD/KVM Console

The LCD/KVM is a convenient set of rack-mount peripherals that use only 1U of rack-mount space and can connect to one, eight or 16 computers.

- Includes a 19" EIA rack-mount shelf with a 15", 17" or 19" LCD display and a 106 key keyboard with a touch pad
- Connects to one, eight or 16 computers; multi-computer units include a keyboard/video/mouse (KVM) switch
- Dual sides allow the LCD display and keyboard tray to open separately; the slides also lock in the closed position
- Includes an internal universal power supply with an IEC 320 connector for international use and a 6'L (1.8 m) power cord with a NEMA 5-15P plug
- KVM switch connects to computers with PS/2 or USB keyboard and mouse connections with signal cables and supports DOS, Windows (98, 98SE, ME, 2000, XP, NT), HP Unix, Linux, Novell 3.12-6 and SUN operating systems
- Use with CPI Cabinet Systems or four-post systems (does not attach to two-post racks)

1 Port LCD Consoles (No KVM Switch)			
Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)	
13715-301	15" LCD, 1U x 19 x 19.1 (485), Black	38 (17.2)	
13717-301	17" LCD, 1U x 19 x 19.1 (485), Black	38 (17.2)	
13719-301	19" LCD, 1U x 19 x 19.1 (485), Black	40 (18.1)	

### 137 8 and 16 Port LCD/KVM Consoles (Includes KVM Switch)

	LCD Size	Unit Size H x W x D in (mm)	Rail Depth Range in (mm)	Shipping Weight Range lb (kg)
15	15"	1U x 19 x 23.8 (605)	23.1 - 32.0 (589 - 815)	39 - 48 (17.7 - 21.8)
17	17"	1U x 19 x 23.8 (605)	23.1 - 32.0 (589 - 815)	39 - 48 (17.7 - 21.8)
19	19"	1U x 19 x 26.2 (665)	25.6 - 34.5 (651 - 877)	39 - 48 (17.7 - 21.8)

Includes Cables	
0	None (select this option if ordering individual signal cables)
1	6' PS2/VGA Cables, 8 or 16 cables based on KVM port selected
2	6' USB/VGA Cables, 8 or 16 cables based on KVM port selected

KVM Ports	
08	8
16	16

137 XX - X XX

Note: LCD/KVM Console is only available in black.

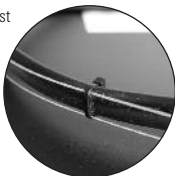
For specifications and cable options for this product, please see page 8-16.



2U



LCD Monitor included  
Also available in two-post  
version



Integrated cable  
management prevents  
tangles

## LCD Monitor+Shelf

Increase usable space inside your cabinet using the LCD Monitor+Shelf. The flat-panel monitor stores horizontally. When needed, pull out the monitor and rotate it to a position in front of your other mounted equipment. A unique friction plate holds the device at any angle you choose.

- 19" EIA; requires less than 2U
- Rotates to a horizontal position and slides into cabinet or rack when not in use
- Ships fully assembled
- Integrated cable management prevents tangles
- Attaches to mounting rails spaced 27" to 40" (690 mm to 1020 mm) apart

### Monitor Specifications

- Display: 10.6"H x 13.3"W (169 mm x 338 mm) TFT Color LCD
- Resolution: 1280 x 1024
- Color Support: 16.77 million colors
- Viewing Angle (10:1 contrast ratio): H-160°, V-160°
- Power Consumption: 35 Watts maximum
- Power Requirements: 100-120 VAC or 200-240 VAC 50/60 Hz
- Input Signals: RGB (Analog), DVI Standard 1.0 (Digital)
- Input Connector: VGA-D-Sub mini 15 pin, DVI-D 24 pin (switchable)
- Plug & Play: VESA DDC 2B
- Certifications and Standards: TCO'03, TÜV/Ergonomics (including ISO 13406-2), TÜV/GS, c-Tick, CE, CB, UL (CTÜVus), CSA (cTÜVus), FCC-B, Canadian ICES-003-B, TÜV/S, VCCI-B, EPA ENERGY STAR®, RoHS, WEEE, EIZO (Eco Products) 2006

Part Number	Description H x W (in)	Shipping Weight lb (kg)
13380-729	4-Post, 2U x 19, Black	25 (11.3)

3U



## Space Saving Duo

Order CPI's LCD Monitor+Shelf and Keyboard+Tray under one part number. Both products together use 3U of rack-mounting space.

Part Number	Description	Shipping Weight lb (kg)
13381-724	4-Post, LCD Monitor+Shelf & Keyboard+Tray	40 (18.1)
13381-725	4-Post, LCD Monitor+Shelf & Gold Contact Keyboard+Tray	40 (18.1)

Redesigned to allow stackable units



Drawer with two-post mounting brackets



Drawer with four-post mounting brackets

## Lockable Storage Drawer

CPI's redesigned 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 cabinet. It now allows for stackable units.

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" (610 mm and 990 mm) in depth.

- Attaches to any CPI freestanding 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
- Supports a 100 lb (45.4 kg) load (drawer and top surface combined)

Part Number	Description Drawer Depth in (mm)	Shipping Weight lb (kg)
<b>19" Rack-Mount</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-Mount</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, 2=White, 5=Clear, 7=Black



## Drawer Dividers For Lockable Storage Drawer

Divide your Lockable Storage Drawer into three sections, approximately 5"W (130 mm) each, to organize and store CD and tape cases. For use with the 3U and 4U drawers only.

Part Number	Description	Shipping Weight lb (kg)
13185-X01	Divider, 3U & 4U Drawers	3 (1.4)

X=color: 1=Gray, 2=White, 5=Clear, 7=Black



P/N 13203 shown

**P/N 13203 includes:**

- (4) Corner gussets
- (4) Full swivel, 3" (80 mm) diameter locking casters
- Installation hardware

**P/N 13204 includes:**

- (4) Reinforcement plates
- (4) Full swivel, 3" (80 mm) diameter locking casters
- Installation hardware

**P/N 14275 includes:**

- (2) Reinforcement plates with fixed casters
- (2) Corner gussets with full swivel 3" (80 mm) locking casters
- Installation hardware

## Caster Kits

Caster Kits allow cabinets to be moved quickly and easily. When space is limited, cabinets can be placed against the wall when not in service. Casters also allow for easy reconfiguration of space.

- Increases cabinet height as follows:

- P/N 13203, by 3.68" (93.5 mm)
- P/N 13204, by 3.38" (85.8 mm)
- P/N 14275, by 4.28" (108.7 mm)

- Casters swivel and lock
- Install casters prior to populating cabinet
- Intended to be used on CPI Cabinets manufactured after July 1, 2004

Part Number	Description	Shipping Weight lb (kg)
13203-001	Castors for MegaFrame	27 (12.2)
13204-001	Castors for SlimFrame & Co-Location Cabinets	13 (5.9)
14275-001	Castors for T-Series SteelFrame Cabinet	25 (11.3)

## Universal Cabinet Light

Fits any 19" EIA or 23" rack or cabinet. It can be mounted in various orientations to direct additional illumination where it is most needed.

- Only 1U; provides 8 Watts of fluorescent light from 115VAC
- On/Off switch and 6' (1.8 m) cord
- White lens with white housing; black bracket



Part Number	Description	Shipping Weight lb (kg)
13393-719	19" Cabinet Light, 8 Watt	3 (1.4)
13393-723	23" Cabinet Light, 8 Watt	3 (1.4)

## Hardware Kits

12637



12638

12639

### Tapped Rail Hardware Kits (sold separately)

Part Number	Nominal Size	Package Of	Finish	Shipping Weight lb (kg)
40605-001	12-24	50	Zinc	1 (0.5)
40605-004	12-24	1,000	Zinc	9 (4.1)
40605-005	12-24	50	Black	1 (0.5)
40605-006	12-24	1,000	Black	9 (4.1)

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

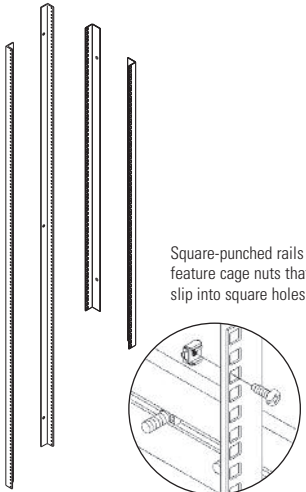
12637-001	M-6	25	Gold over Zinc	1 (0.5)
12638-001	10-32	25	Zinc	1 (0.5)
12639-001	12-24	25	Black	1 (0.5)

# Tapped 12-24 & Square-Punched Mounting Rails

CPI's accessory vertical mounting rails provide additional mounting rail options for MegaFrame, SlimFrame or SteelFrame Cabinets. Select full or half rack sizes and install using captive bolts in the horizontal mounting rail.

- Tapped rails are made of high-strength aluminum and are best for network cabinets holding interconnect equipment, switches and routers
- Square-punched rails are made of steel and feature square-punched holes for most servers and data storage equipment
- Both styles feature universal 5/8" -5/8" -1/2" (15.9 mm -15.9 mm -12.7 mm) alternating hole pattern
- Each kit includes two mounting rails and 5/16 -18 hex nuts for mounting rails to cabinet
- Rack-mount unit marks simplify equipment installation

*Note: There are two pair of additional captive bolts per cabinet — allowing two pair of vertical mounting rails to be added to each cabinet.*



Square-punched rails feature cage nuts that slip into square holes

## Full Length Rails

Rails are grouped by height.

28" H (710 mm) Cabinet Vertical Rails, Full Length		
Tapped	Square-Punched	Description - in (mm)
12460-X01	12630-X01	28 (710) Cabinet, Pair
48" H (1220 mm) Cabinet Vertical Rails, Full Length		
Tapped	Square-Punched	Description - in (mm)
12460-X03	12630-X03	48 (1220) Cabinet, Pair
72" H (1830 mm) Cabinet Vertical Rails, Full Length		
Tapped	Square-Punched	Description - in (mm)
12460-X05	12630-X05	72 (1830) Cabinet, Pair
78" H (1980 mm) Cabinet Vertical Rails, Full Length		
Tapped	Square-Punched	Description - in (mm)
12460-X06	12630-X06	78 (1980) Cabinet, Pair
84" H (2130 mm) Cabinet Vertical Rails, Full Length		
Tapped	Square-Punched	Description - in (mm)
12460-X07	12630-X07	84 (2130) Cabinet, Pair

X=color: 1=Gray, 2=White, 7=Black

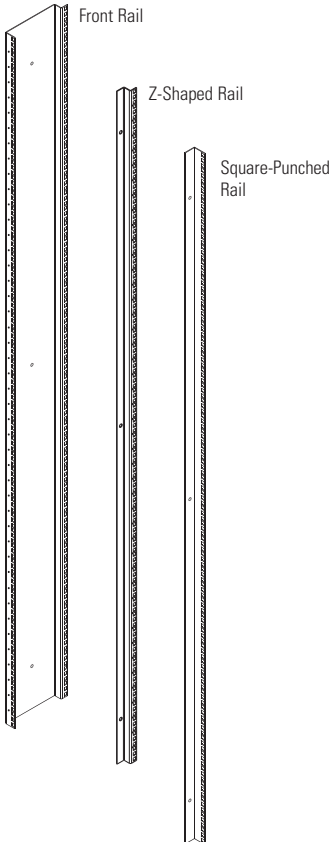
## Half Length Rails

Half length rails are available for cabinets that are 72" (1830 mm) or higher.

Tapped	Square-Punched	Description - in (mm)
12450-X05	12631-X05	72 (1830) Cabinet, Pair
12450-X06	12631-X06	78 (1980) Cabinet, Pair
12450-X07	12631-X07	84 (2130) Cabinet, Pair

X=color: 1=Gray, 2=White, 7=Black

Please see page 2-75 for Hardware Kits..



## Vertical Mounting Rails For Sun® Equipment

For use within the MegaFrame, SlimFrame and SteelFrame cabinets, this three-piece vertical mounting rail system delivers greater flexibility and maximum use of floor space by allowing a larger variety of servers to be mounted in 30" D (760 mm) or deeper cabinets.

Series 11812 rail kit includes two front rails, two Z-shaped rails, two square-punched rails and packaged hardware. The shape of the rails allow the installation of Sun servers that have unique side-mounting requirements. Rear Square-Punched rails allow Four-post mounted equipment requiring EIA-310-D standard mounting to be installed in a cabinet also containing Sun equipment. Series 11813 and 11815 Z-shaped rail kits can be used when mounting multiple Sun servers of varying depths within the same cabinet. These kits include two Z-shaped rails and hardware. All mounting rails adjust from 24"-39" (610 mm - 990 mm).

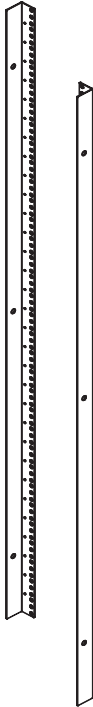
- Design and shape of rails allow Sun servers to be side-mounted, where required
- Rear square-punched rails maximizes available space for accessories and connectivity products in 36" or 39" D (910 mm or 990 mm) cabinets
- Rack-mount unit markings on rails simplify equipment installation
- Made of steel



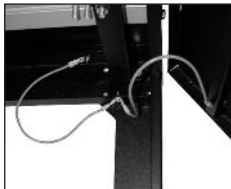
Sun Rails Hardware Kits -12638

Part Number	Description Height in (mm)	Shipping Weight lb (kg)
<b>Full Height Z-shaped Rail Kit</b>		
11813-X01	84 (2130) Cabinet, Pair	9 (4.1)
11813-X02	78 (1980) Cabinet, Pair	9 (4.1)
11813-X03	72 (1830) Cabinet, Pair	8 (3.6)
11813-X05	48 (1220) Cabinet, Pair	6 (2.7)
<b>Half Height Z-shaped Rail Kit</b>		
11815-X01	84 (2130) Cabinet, Pair	6 (2.7)
11815-X02	78 (1980) Cabinet, Pair	6 (2.7)
11815-X03	72 (1830) Cabinet, Pair	5 (2.3)
<b>Full Height Rail Kit</b>		
11812-X01	84 (2130) Cabinet, Pair	50 (22.7)
11812-X02	78 (1980) Cabinet, Pair	47 (21.3)
11812-X03	72 (1830) Cabinet, Pair	43 (19.5)
11812-X05	48 (1220) Cabinet, Pair	29 (13.2)
<b>Half Height Rail Kit</b>		
11814-X01	84 (2130) Cabinet, Pair	21 (9.5)
11814-X02	78 (1980) Cabinet, Pair	20 (9.1)
11814-X03	72 (1830) Cabinet, Pair	19 (8.6)
<b>Sun® Rail Hardware Kits (sold separately)</b>		
12638-001	10 -32, Zinc, Pack of 25	1 (0.5)

X=Color: 1=Gray, 2=White, 7=Black



IBM Rails Hardware Kits - 13980



## Vertical Mounting Rails For IBM® eServer pSeries Servers

IBM® vertical mounting rails for the MegaFrame, SlimFrame and SteelFrame cabinets include two full or half height rails and 5/16-18 serrated flange nuts. Mounting rails are made of steel with the Universal EIA 5/8"-5/8"-1/2" (15.9 mm -15.9 mm -12.7 mm) alternating hole pattern. Mounting holes are round in shape and non-threaded.

- Mounting rails adjust from 24"-39" (610 mm - 990 mm) allowing the installation of equipment with varying depths

### When mounting IBM's eServer pSeries Servers, CPI recommends the following bracing accessories:

- Adjustable Bracing Kit (P/N 12477)
- Retractable Stabilizer Kit (P/N 13123)
- MegaFrame Floor Anchor Clamps (included with each cabinet). Must be anchored to floor using CPI P/N 40604, 40607, or equivalent

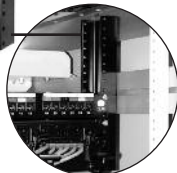
Part Number	Description Height in (mm)	Shipping Weight lb (kg)
<b>Full Height IBM Rail Kit</b>		
11953-X00	84 (2130) Cabinet, Pair	10 (4.5)
11953-X01	78 (1980) Cabinet, Pair	7 (3.2)
11953-X02	72 (1830) Cabinet, Pair	8 (3.6)
11953-X05	48 (1220) Cabinet, Pair	6 (2.7)
<b>Half Height IBM Rail Kit</b>		
11954-X00	84 (2130) Cabinet, Pair	5 (2.3)
11954-X01	78 (1980) Cabinet, Pair	5 (2.3)
11954-X02	72 (1830) Cabinet, Pair	4 (1.8)
<b>IBM® Rail Hardware Kits (sold separately)</b>		
13980-001	M-5 x .8, Gold over Zinc, Pack of 25	1 (0.5)

X=color: 1=Gray, 2=White; 7=Black

## Grounding & Bonding Kit For T-Series SteelFrame Cabinet

Side panels and doors are electrically bonded to the cabinet frame using #12 conductors factory cut-to-length and factory terminated. Kit also includes a 2-barrel grounding block that attaches to the cabinet frame and holds up to two #0 gauge wires.

Part Number	Description	Shipping Weight lb (kg)
12725-001	Grounding & Bonding Kit	2 (0.9)



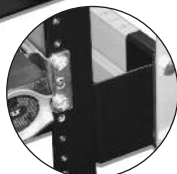
## Patch Panel Auxiliary Mounting Rails For Datacom Cabinets

Patch Panel Auxiliary Mounting Rails allow patch panels to be mounted in a cabinet independent of mounting rail location. Front and rear tapped holes accommodate the installation of panel-mounted equipment in addition to providing rear cable management options.

- For use in CPI MegaFrame, SteelFrame and SlimFrame Cabinets
- Rail is 10.5" H x 1.26" W x 3" D, (267 mm x 32 mm x 80 mm) 6U
- Made of aluminum; hardware included
- Supports 150 lb (68 kg) vertical load, 110 ft-lb (149.1 N·m) rotational moment — equal to 100 lb (45.4 kg) cantilevered load at 1' (0.3 m) from mounting bolt

Part Number	Description	Shipping Weight lb (kg)
12533-X01	Auxiliary Mounting Rails, Pair	3 (1.4)

*X=*color: 1=Gray, 2=White, 7=Black



## 23" -19" Rail Adapter Kit

Mount your 19"W equipment in a 23"W MegaFrame Cabinet with the 23"-19" Rail Adapter Kit.

- Kit includes 12 adapters and packaged hardware
- Made of steel
- Adapters can be used with CPI's tapped 12-24, Square-Punched, Sun®, or IBM® rails and are available for all cabinet heights
- Front to rear adjustability remains intact; increases cable routing space
- Rail adapter kit is available for all cabinet heights
- Supports up to 1000 lb (453.6 kg)

Part Number	Description	Shipping Weight lb (kg)
10587-X01	(12) 23"-19" Rail Adapters	5 (2.3)

*X=*color: 1=Gray, 2=White, 7=Black



## RMU Label Kits

Easy-to-read numbers take the guesswork out of aligning components, eliminating the need for manual rack-mount unit calculation.

- Two kits are available: 1-45U for 7' (2.1 m) racks and cabinets; 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 and four cabinets
- Labels are constructed of ½"W (10 mm) durable polyester film with adhesive backing and are black with rack-mount numbers printed in white

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



Retractable Stabilizer Kit shown attached to cabinet with leveling feet and casters

## Retractable Stabilizer Kit For M- & C-Series Cabinets

The Retractable Stabilizer Kit is a floor-level brace that provides anti-tip protection when heavy, slide-mounted equipment is extended in front of the cabinet. When not in use, the stabilizer can be retracted under the cabinet for unimpeded aisle space and improved cabinet appearance.

The stabilizer is recommended for new cabinet installations as access to the bottom interior of a populated cabinet may be difficult. Leveling feet (included with each cabinet) or casters (P/N 13203-001) are required to support the cabinet, so that stabilizing feet can slide freely.

**Full Kit:** If the cabinet has leveling feet and no casters, select the full kit which comes with leveling feet extensions.

**Partial Kit:** If the cabinet has casters in addition to leveling feet, select a partial kit because extensions are included with CPI caster sets.

- Designed for CPI MegaFrame and SlimFrame Cabinets that are 6', 6'6" and 7'H (1.8 m, 2.0 m and 2.1 m), 19" or 23"W, and 30", 36" or 39"D (760 mm, 910 mm or 990 mm)
- Provides anti-tip support for servers up to 300 lb (136.1 kg)
- Safe use requires that servers are secured in the closed position prior to extending the stabilizer feet and that only one server at a time be extended for service
- When rack-mount equipment is not being serviced, stabilizer remains under the cabinet, keeping aisles clear for service carts
- Perforated floor tiles located in front of the cabinet remain unobstructed, allowing cool air to flow freely

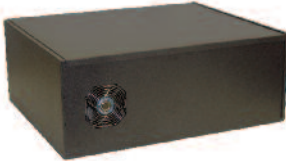
Part Number	Description W x D in (mm)	Shipping Weight lb (kg)
<b>Full MegaFrame Kits</b>		
13123-713	19 x 30 (76) Cabinet, Black	32 (14.5)
13123-715	19 x 36 (910) Cabinet, Black	34 (15.4)
13123-714	19 x 39 (990) Cabinet, Black	36 (16.3)
13123-723	23 x 30 (760) Cabinet, Black	35 (15.9)
13123-725	23 x 36 (910) Cabinet, Black	37 (16.8)
13123-724	23 x 39 (990) Cabinet, Black	39 (17.7)
<b>Partial MegaFrame Kits</b>		
13124-713	19 x 30 (76) Cabinet, Black	28 (12.7)
13124-715	19 x 36 (910) Cabinet, Black	30 (13.6)
13124-714	19 x 39 (990) Cabinet, Black	32 (14.5)
13124-723	23 x 30 (760) Cabinet, Black	31 (14.1)
13124-725	23 x 36 (910) Cabinet, Black	33 (15.0)
13124-724	23 x 39 (990) Cabinet, Black	35 (15.9)
<b>Full SlimFrame Kits</b>		
13125-713	19 x 30 (760) Cabinet, Black	29 (13.2)
13125-715	19 x 36 (910) Cabinet, Black	31 (14.1)
<b>Partial SlimFrame Kits</b>		
13126-713	19 x 30 (760) Cabinet, Black	25 (11.3)
13126-715	19 x 36 (910) Cabinet, Black	27 (12.2)



NEW!



82050-701  
Front and Rear views



## DVR Security Enclosures

Secures and protects digital video recorders (DVRs) and other electronic security equipment located outside equipment rooms to help prevent accidental damage, theft or vandalism. Available in three sizes.

- Place on a countertop, shelf or wall-mount
- Hinged, locking front door with optional plexiglass window
- Removable top/cover provides easy access to equipment
- Made from steel, riveted construction, painted black finish

### Large DVR Security Enclosures

- Secure equipment that is 10.5"H x 22"W x 26.5"D (267 mm x 559 mm x 673 mm) or smaller or to wall-mount up to 5U of 19"W EIA rack-mount equipment that is 26.5"D (673 mm) or smaller.
- Internal attachment points for the accessory Tapped Rail Kit, flush mount the rails with the front of the enclosure or inset them 1.25" (32 mm) to allow additional space for front side cable connections
- Ventilation: includes a Fan Kit with a single 115 VAC, 50/60 Hz, 110 CFM, 37 db, 15 W fan and a 46"L (1168 mm) power cord with NEMA 1-15P plug; fan is UL Recognized and CE marked; the right front side of the enclosure has an air vent; the fan is on the left back side (airflow is vent-to-fan, front right side to left back side)
- Wall-mounting: the back has (2) 1/4" diameter keyhole slots on 16" (86 mm) centers for horizontal wall-mounting which requires the accessory Wall-Mount Kit; the bottom has (4) 1/4" diameter keyhole slots on 16" (86 mm) centers for vertical wall-mounting (requires Tapped Rail Kit accessory)
- Cable access: the back and bottom panels each have (1) 1-1/2" cable knockout with grommet for cable access and four conduit knockouts for (2) 1/2" or 3/4" and (2) 1" or 1-1/2" diameter conduits; the right and left sides each have one conduit knockout for (1) 1/2" or 3/4" diameter conduit
- Overall size: 11.5"H x 23.25"W x 28.5"D (292 mm x 591 mm x 724 mm)
- Maximum rack-mount equipment load: 80 lb (36.3 kg)

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
82050-701	11.5 x 23.25 x 28.5 (292 x 591 x 724), Metal Door with Plexiglass Window, Black	59 (26.8)
82050-711	11.5 x 23.25 x 28.5 (292 x 591 x 724), Metal Door, Black	59 (26.8)
82053-002	Replacement Fan Kit, Large DVR Security Enclosure, 115 VAC, 50/60 Hz, 110 CFM, 37 dB, NEMA 1-15P	2 (0.9)
82052-701 <sup>1</sup>	Tapped Rail Kit, 5U x 19"EIA, Black	4 (1.8)
82051-703 <sup>2</sup>	Wall-Mount Kit, Black	9 (4.1)
40605-005	Equipment Mounting Screws, #12-24, 50 Pack, Black	1 (0.5)

1. Required when attaching the Large DVR Security Enclosure to the wall in a vertical (bottom against the wall) orientation.

2. Required when attaching the Large DVR Security Enclosure to the wall in a horizontal (back against the wall) orientation.

**NEW!**



82050-702  
Front and Rear views



82050-702  
Shown with optional fan kit

## Medium DVR Security Enclosures

- Secure equipment that is 7.25"H x 19.5"W x 19"D (184 mm x 495 mm x 482 mm) or smaller.
- Ventilation: the right and left side have air vents; the back panel has a knockout for an accessory Fan Kit (airflow with fan is fan-to-vent, back to sides)
- Cable access: the back panel has (1) 1-1/2" cable knockout with grommet for cable access and three conduit knockouts for (2) 1/2" or 3/4" and (1) 1" or 1-1/2" diameter conduits
- Overall size: 8.75"H x 21.25"W x 21"D (222 mm x 540 mm x 533 mm)

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
82050-702	8.75 x 21.25 x 21 (222 x 540 x 533), Metal Door with Plexiglass Window, Black	38 (17.2)
82050-722	8.75 x 21.25 x 21 (222 x 540 x 533), Metal Door, Black	38 (7.2)
82053-002	Fan Kit, Medium DVR Security Enclosure, 115VAC, 50/60 Hz, 110 CFM, 37 dB, 15W, NEMA 1-15P, Black	2 (0.9)

**NEW!**



82050-703  
Front and Rear views



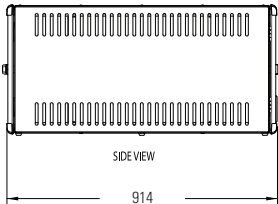
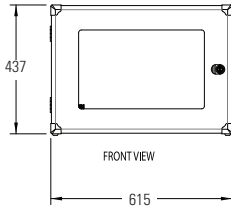
82050-703  
Shown with optional fan kit

## Small DVR Security Enclosures

- Secure equipment that is 5"H x 18.75"W x 15"D (127 mm x 476 mm x 381 mm) or smaller.
- Ventilation: the right and left side have air vents; the back panel has a knockout for an accessory Fan Kit (airflow with fan is fan-to-vent, back to sides)
- Cable access: the back panel has (1) 1-1/2" cable knockout with grommet for cable access and three conduit knockouts for (2) 1/2" or 3/4" and (1) 1" or 1-1/2" diameter conduits
- Overall size: 6"H x 20.25"W x 17"D (152 mm x 514 mm x 432 mm)

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
82050-703	6 x 20.25 x 17 (152 x 514 x 432), Metal Door with Plexiglass Window, Black	25 (11.3)
82050-733	6 x 20.25 x 17 (152 x 514 x 432), Metal Door, Black	25 (11.3)
82053-001	Fan Kit, Small DVR Security Enclosure, 115VAC, 50/60 Hz, 31 CFM, 29 dB, 12W, NEMA 1-15P, Black	2 (0.9)

**NEW!**



## Cube-iT Mini Equipment Enclosure

The CUBE-iT Mini Equipment Enclosure allows 8U of 19"W EIA rack-mount equipment to be securely located outside of the equipment room. Use the CUBE-iT Mini Equipment Enclosure to secure digital video recorders (DVRs), servers and other electronic security equipment.

- Place on the floor, a countertop or shelf (cannot be wall-mounted)
- Hinged, locking front door with perforated panel
- Hinged, locking rear door with three 2.7" (68 mm) diameter grommet-protected cable access ports
- Includes two pairs of #12-24 tapped equipment mounting rails to provide front and rear support for 19"W EIA/CEA-310-E compliant rack-mount equipment; mounting rails adjust in depth up to 32" (813 mm); includes #12-24 equipment mounting screws
- Vents along the sides and on the rear door provide ventilation for equipment; add up to two accessory Intelligent Fan Kits (ordered separately) to the top panel to increase air changes through the enclosure (airflow with fan is vent-to-fan, sides-to-top)
- Overall size: 17.2"H x 24.2"W x 36"D (437 mm x 615 mm x 914 mm)
- Internal equipment space: 8U x 19"W EIA x 32"D (813 mm)
- Maximum rack-mount equipment load: 80 lb (36.3 kg)
- Material/construction: made from steel, riveted construction
- Finish/color: Painted black

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
82004-700	Cube-iT Mini Equipment Enclosure, 8U 17.2 x 24.2 x 36 (437 x 615 x 914), Black	73 (33.1)

## Intelligent Fan Kit

The 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.

### 13051-002 Intelligent Fan Specifications:

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

Part Number	Description H x W x D in (mm)	Shipping Weight lb (kg)
13051-002	Intelligent Fan Kit, 115 VAC, 60 Hz, 36-49 CFM, 77-113°F, 28-33 dB, 6'L (1.8 m) power cord, NEMA 1-15P plug, Black	2 (0.9)