EF-Series EuroFrame™ Cabinet System

A simple, reliable and affordable cabinet solution that supports rack-mount server, storage and network equipment in data centres and enterprise IT facilities.

ADVANTAGES

➡ **Easy Configuration**
Simple design and fewer components enable fast selection, ordering and deployment

➡ **Optimum Load Rating**
Robust design supports 3300 lb (1500 kg) static load

➡ **Ease of Deployment**
Optional reusable casters allow easy movement around the job site

➡ **Airflow Management**
Optimum in-cabinet thermal dynamic properties available with airflow management accessories

KEY FEATURES

- Available in multiple sizes and colours to match specific site and equipment requirements

- Integrated 19"EIA (482.6 mm) mounting rails provide front and rear support for equipment

- Industry-leading 3300 lb (1500 kg) static load

- Large brush-covered cable openings in the top panel provide easy access to overhead network and power connections

- Perforated front and rear doors provide security for equipment while supporting front-to-rear airflow for use in hot aisle/cold aisle or aisle containment applications

- Simple configuration: combine cabinet and accessories to match server or network applications

- Optional cable management accessories organise network, system and power cables

SPECIFICATIONS

EF-Series EuroFrame™ Cabinet System	Frame, 4-slide, with rail depth markings
	Equipment mounting rails, 19"W (482.6 mm), square-punched with EIA-310-E Universal Hole Pattern and marked U spaces, two pairs
	Top panel, solid with two brush-covered cable openings, minimum size 78 mm W x 848 mm D
	Front door, single, perforated, 78% open, with locking swing handle and single-point latch
	Rear door, double, perforated, 78% open, with locking swing handle and two-point latch
	Side panels, solid, two-piece (half height, full depth), flush-mounted with locking push-button latch
	Grounding/bonding kit with jumpers for attaching doors/sides to frame and bonding point on frame
	Leveling feet, set of four
	Baying kit, for securing cabinets side-by-side
	Equipment mounting hardware, cage nuts and screws, M6, 50 pack
Sizes	See ordering information
Static Load	3300 lb (1500 kg) on leveling feet

SPECIFICATIONS

Cable Access/Fill	Two openings in top panel: @78 mm W x 848 mm D in 1000 mm D cabinets @78 mm W x 1049 mm D in 1200 mm D cabinets
	See cable fill table at www.chatsworth.com/cablefill
Thermal Management Accessories	Order separately
Cable Management Accessories	Order separately
Power Management Accessories	Order separately
Material	Cabinet frame and panel work are steel; swing handles and brush seals are plastic
Construction	Welded and bolted frame
Finish	Black or Glacier White epoxy-polyester hybrid powder coat paint on steel parts; black plastic

Top Panel Cable Brush Cover Openings		
Cabinet	**Width**	**Depth**
600 mm x 1000 mm	3.1" (78 mm)	33.4" (848 mm)
600 mm x 1200 mm	3.1" (78 mm)	41.3" (1049 mm)
800 mm x 1000 mm	3.1" (78 mm)	33.4" (848 mm)
800 mm x 1200 mm	3.1" (78 mm)	41.3" (1049 mm)

USE WITH

• Air Dam Kit

• Ring Cable Manager

• Finger Cable Manager

• Cable Lashing Bracket

• Full Height Dual PDU Bracket

• Two-Piece Dual PDU Bracket

• Transport Caster Kit

RELATED ACCESSORIES

• Snap-In Filler Panels

• eConnect® PDUs

• Aisle Containment Solutions

SERVICE PARTS

• Side Panel

Robust Design

The EF-Series EuroFrame Cabinet System is a simple, reliable and affordable cabinet solution used to support server and switch equipment in data centres and enterprise IT facilities. The EF-Series EuroFrame Cabinet features a high static load rating and a range of standard sizes and accessories to match typical server and network cabinet applications.

Easy Configuration

It is available from stock in two heights, two widths and two depths to match typical requirements. Cabinets are specified with a single part number and include a top panel, doors and optional side panels. Airflow, cable and power management accessories are ordered separately and installed on site.

Ease of Deployment

The cabinet ships fully assembled in recyclable packaging. A reusable caster kit (sold as an accessory) can be used to move the cabinet into place on the job site. Cabinets include leveling feet and baying kits. Doors are reversible to open from the right or left and interchangeable front-to-back. Equipment mounting rails can be adjusted in depth to match requirements. Add airflow, cable and power management accessories to match equipment requirements.

Airflow Management

The EF-Series EuroFrame Cabinet includes perforated front and rear doors with 78% open perforation for unobstructed front-to-rear airflow. To optimise front-to-rear airflow, add an Air Dam Kit and Snap-In Filler Panels to seal the spaces between and around rack-mount equipment to provide front/rear airflow separation for server equipment. This helps prevent recirculation of hot exhaust air through the cabinet and supports higher per cabinet heat loads.

Cable and Power Management

Large, brush-covered openings in the top panel allow network and power cables to enter the top of the cabinet. A range of vertical cable management accessories support cables as they enter the cabinet and organise patch cords that connect equipment. In server cabinets, use a Ring Cable Manager and Full Height Dual PDU Bracket at the rear of the cabinet to organise patch cords and support eConnect® PDUs. In Network Cabinets, use Finger Cable Managers at the front of the cabinet to organise patch cords and Cable Lashing Brackets at the rear of the cabinet to secure infrastructure cables.

Combine the EF-Series EuroFrame Cabinet with thermal and cable management accessories to create a solution that fits your requirements. Contact CPI Technical Support for configuration assistance.

ORDERING INFORMATION

EF-Series EuroFrame™ Cabinet System With Two Side Panels			
Part Number		Description W x D in (mm)	Shipping Weight lb (kg)
Black	Glacier White		
For 78.7"H (2000 mm), 42U Cabinets			
EF-1A220-CA	EF-1A220-EA	23.6 x 39.4 (600 x 1000)	353 (160.3)
EF-1A420-CA	EF-1A420-EA	23.6 x 47.2 (600 x 1200)	366 (166.2)
EF-1C220-CA	EF-1C220-EA	31.5 x 39.4 (800 x 1000)	370 (168.0)
EF-1C420-CA	EF-1C420-EA	31.5 x 47.2 (800 x 1200)	383 (174.1)
For 86.6"H (2200 mm), 47U Cabinets			
EF-2A220-CA	EF-2A220-EA	23.6 x 39.4 (600 x 1000)	365 (165.7)
EF-2A420-CA	EF-2A420-EA	23.6 x 47.2 (600 x 1200)	369 (167.4)
EF-2C220-CA	EF-2C220-EA	31.5 x 39.4 (800 x 1000)	381 (173.2)
EF-2C420-CA	EF-2C420-EA	31.5 x 47.2 (800 x 1200)	476 (216.4)

Note: These cabinets include two side panels (right and left side).

EF-Series EuroFrame™ Cabinet System With One Side Panel			
Part Number		Description W x D in (mm)	Shipping Weight lb (kg)
Black	Glacier White		
For 78.7"H (2000 mm), 42U Cabinets			
EF-1A210-CA	EF-1A210-EA	23.6 x 39.4 (600 x 1000)	318 (144.3)
EF-1A410-CA	EF-1A410-EA	23.6 x 47.2 (600 x 1200)	328 (148.9)
EF-1C210-CA	EF-1C210-EA	31.5 x 39.4 (800 x 1000)	335 (152.0)
EF-1C410-CA	EF-1C410-EA	31.5 x 47.2 (800 x 1200)	345 (156.8)
For 86.6"H (2200 mm), 47U Cabinets			
EF-2A210-CA	EF-2A210-EA	23.6 x 39.4 (600 x 1000)	330 (149.8)
EF-2A410-CA	EF-2A410-EA	23.6 x 47.2 (600 x 1200)	331 (150.1)
EF-2C210-CA	EF-2C210-EA	31.5 x 39.4 (800 x 1000)	346 (157.3)
EF-2C410-CA	EF-2C410-EA	31.5 x 47.2 (800 x 1200)	438 (199.1)

Note: These cabinets include one side panel (left or right side only).

EF-Series EuroFrame™ Cabinet System With No Side Panels			
Part Number		Description W x D in (mm)	Shipping Weight lb (kg)
Black	Glacier White		
For 78.7"H (2000 mm), 42U Cabinets			
EF-1A200-CA	EF-1A200-EA	23.6 x 39.4 (600 x 1000)	283 (128.4)
EF-1A400-CA	EF-1A400-EA	23.6 x 47.2 (600 x 1200)	290 (131.7)
EF-1C200-CA	EF-1C200-EA	31.5 x 39.4 (800 x 1000)	300 (136.1)
EF-1C400-CA	EF-1C400-EA	31.5 x 47.2 (800 x 1200)	307 (139.5)
For 86.6"H (2200 mm), 47U Cabinets			
EF-2A200-CA	EF-2A200-EA	23.6 x 39.4 (600 x 1000)	295 (133.9)
EF-2A400-CA	EF-2A400-EA	23.6 x 47.2 (600 x 1200)	293 (132.9)
EF-2C200-CA	EF-2C200-EA	31.5 x 39.4 (800 x 1000)	311 (141.4)
EF-2C400-CA	EF-2C400-EA	31.5 x 47.2 (800 x 1200)	400 (181.8)

Note: These cabinets do not include side panels.

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DIMENSIONS

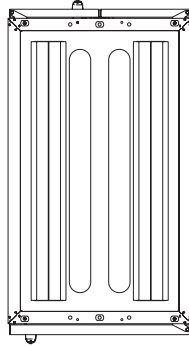| Height Dimensions – in (mm)			
Rack-Mount Spaces (U)	**Overall with Casters***	**Frame Only No Levelers***	**Front Opening**
42	81.6 (2075)	78.7 (2000)	75.3 (1915)
47	89.5 (2275)	86.6 (2200)	83.3 (2116)

Note: Casters are not included with the cabinet. The Transport Caster Kit (P/N 68007-X00) is an optional accessory that adds approximately 2.9" (75 mm) to frame only height, and should be removed once the cabinet is placed. Leveling Feet are included with the cabinet; adjust in height and add between .67" (17 mm) and 4.2" (107 mm) to the frame only height.

Width Dimensions – in (mm)			
Nominal Width	**Overall with Side Panels**	**Front Opening**	**Rack-Mount Panel Width**
600	23.6 (600)	20.2 (515)	19 (482.6)
800	31.5 (800)	28.3 (720)	19 (482.6)

Note: Mounting Rail clearance is 17.79" (451.8 mm); mounting hole center spacing is 18.33" (465.5 mm).

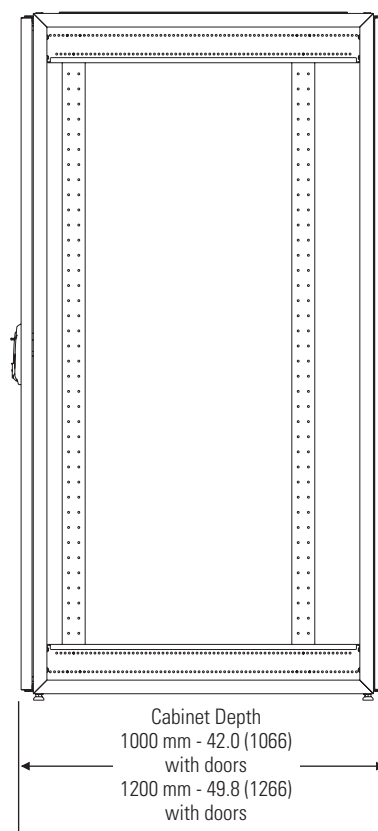| Depth Dimensions – in (mm)			
Nominal Depth	**Overall with Doors***	**Frame Only No Doors***	**Maximum Rail Depth**
1000	42.0 (1066)	39.4 (1000)	36.6 (930)
1200	49.8 (1266)	47.2 (1200)	44.4 (1130)

Note: Doors are included with the cabinet. The Front Door adds 1.41" (35.8 mm) to frame only depth, and Rear Door adds 1.17"D (29.8 mm) to frame only depth. Latches project an additional 1" (25 mm) past the faces of the doors and are not included in overall depth. Minimum rail depth is 5.6" (143 mm), each rail is 2.7"D (67.5 mm). Maximum rail depth is reduced when vertical accessories are placed in the cabinet.

DIMENSIONAL DRAWINGS

Top Panel view

Cabinet Front view

Cabinet Height
42U, 81.6" (2075 mm)
with casters
47U, 89.5" (2275 mm)
with casters

Cabinet Width
23.6 (600 mm)
31.5 (800 mm)

Cabinet Side view

Cabinet Depth
1000 mm - 42.0 (1066)
with doors
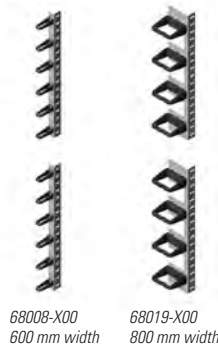1200 mm - 49.8 (1266)
with doors

ACCESSORIES

EF-Series EuroFrame Air Dam Kit

Blocks airflow around the sides and top of equipment mounting space, so cold air passes through equipment, and hot air does not recirculate around equipment. Use with Snap-In Filler Panels.

- Attaches to and adjusts with equipment mounting rails
- Flexible seal against the sides of the cabinet
- 31.5"W (800 mm) versions have sixteen 5.5"H (140 mm) x 2"W (50 mm) grommet covered cable pass-through ports; eight per side
- Includes: Top, bottom and side baffles
- Material: Steel baffles, plastic seals/grommets
- Finish: Black or Glacier White; seals/grommets are Black

68005-X01
600 mm width

68005-X03
800 mm width

EF-Series EuroFrame™ Cabinet Accessories		
Part Number	Description H x W U x in (mm)	Shipping Weight lb (kg)
68005-X00	Air Dam Kit, 42U x 23.6 (600)	18 (8.2)
68005-X01	Air Dam Kit, 47U x 23.6 (600)	19 (8.6)
68005-X02	Air Dam Kit, 42U x 31.5 (800)	20 (9.1)
68005-X03	Air Dam Kit, 47U x 31.5 (800)	21 (9.5)
68008-X00	Ring Cable Manager, 42U x 23.6 (600)	4 (1.8)
68008-X01	Ring Cable Manager, 47U x 23.6 (600)	5 (2.3)
68019-X00	Ring Cable Manager, 42U x 31.5 (800)	13 (5.9)
68019-X01	Ring Cable Manager, 47U x 31.5 (800)	14 (6.4)
68013-X00	Cable Lashing Bracket, 42U, 5.9 (150), Slim	10 (4.5)
68013-X01	Cable Lashing Bracket, 47U, 5.9 (150), Slim	11 (5.0)
68014-X00	Cable Lashing Bracket, 42U, 9.8 (250), Wide	16 (7.3)
68014-X01	Cable Lashing Bracket, 47U, 9.8 (250), Wide	17 (7.7)
68009-X00	Finger Cable Manager, 42U, Short	8 (3.6)
68009-X01	Finger Cable Manager, 47U, Short	9 (4.1)
68010-X00	Finger Cable Manager, 42U, Long	8 (3.6)
68010-X01	Finger Cable Manager, 47U, Long	9 (4.1)

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

EF-Series EuroFrame Ring Cable Manager

Attaches to the equipment mounting rail, creating a vertical pathway for cables next to the equipment mounting rail and includes plastic cable rings to organise cables.

- Attaches to and adjusts with mounting rails, fully compatible with Air Dam Kit
- Rings have an opening on the front for easy addition or removal of cables
- Includes: Brackets, rings, installation hardware
- Material: Steel brackets, plastic rings
- Finish: Black or Glacier White; rings are Black

68008-X00
600 mm width

68019-X00
800 mm width

Ring Cable Manager Inside Dimensions, Usable Internal Cable Area, Rail Setback				
Cabinet Width	Width in (mm)	Depth in (mm)	Cable Area in² (mm²)	Rail Setback in (mm)
23.6 (600)	0.9 (29)	3.3 (84)	2.9 (1870)	5.6 (143)
31.5 (800)	4.2 (107)	3.5 (89)	14.7 (9480)	5.8 (148)

Note: Rail setback is the minimum distance required between the front edge of the cabinet frame and the front edge of the equipment mounting rail. Rail Setback includes a 1" (25 mm) space in front of the rings for cable access.
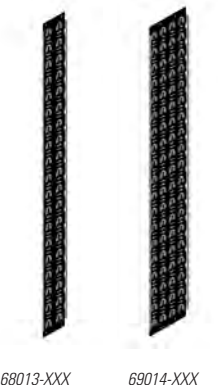
EF-Series EuroFrame Cable Lashing Bracket

Creates a simple, separate vertical pathway for multiple cable bundles and has multiple attachment points for securing cables using CPI Saf-T-Grip® Straps or tie wraps. Use to support infrastructure cabling along the side of the cabinet.
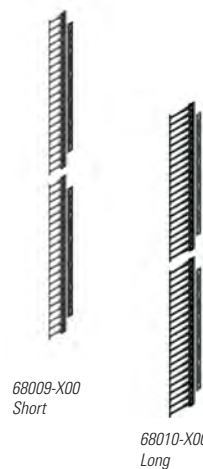
- Attaches to the cabinet frame and adjusts in depth, independent of the mounting rails
- Slim manager is 5.9"W (150 mm) and has two vertical columns of attachment points for 2.5" (63.5 mm) diameter cable bundles, 5 in² (3200 mm²) cable fill area
- Wide manager is 9.8"W (250 mm) and has four vertical columns of attachment points for 2.5" (63.5 mm) diameter cable bundles, 9.8 in² (6320 mm²) cable fill area
- Includes: Brackets, installation hardware
- Material: Steel brackets
- Finish: Black or Glacier White

68013-XXX

69014-XXX

EF-Series EuroFrame Finger Cable Manager

Attaches to the equipment mounting rail, creating a vertical pathway for cables next to the equipment mounting rail and includes plastic T-shaped cable guides (fingers) that organise cables by rack-mount space (U). Two depths are available: Short and Long.

- Attaches to and adjusts with mounting rails, fully compatible with Air Dam Kit
- Plastic, T-shaped cable guides (fingers) organise cables by U
- Openings between fingers align with each U space on the mounting rail
- Pass up to 48 cables per U space through openings on Finger Cable Manager, Long
- Pass up to 24 cables per U space through openings on Finger Cable Manager, Short
- Includes: Brackets, fingers, installation hardware
- Material: Steel brackets, plastic fingers
- Finish: Black or Glacier White; fingers are Black

68009-X00
Short

68010-X00
Long

Finger Cable Manager Inside Dimensions, Usable Internal Cable Area, Rail Setback					
Cabinet Width	Width in (mm)	Depth in (mm)	Cable Area in² (mm²)	Rail Setback in (mm)	U Opening in² (mm²)
Short Finger Cable Manager					
23.6 (600)	0.5 (13)	6.0 (150)	3 (1900)	7.6 (193)	3.5 (2260)
31.5 (800)	4.2 (107)	6.0 (150)	27.8 (17940)	7.6 (193)	3.5 (2260)
Long Finger Cable Manager					
23.6 (600)	0.5 (13)	8.4 (213)	4.2 (2710)	10.1 (257)	6.6 (4260)
31.5 (800)	4.6 (117)	8.4 (213)	38.64 (24930)	10.1 (257)	6.6 (4260)

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

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ACCESSORIES

EF-Series EuroFrame Full Height PDU Bracket
Supports two vertical PDUs side-by-side and has multiple slots for CPI Saf-T-Grip Straps or tie wraps to secure cords to the bracket.
- Attaches to the cabinet frame and adjusts in depth, independent of the mounting rails
- Full Height Dual PDU Bracket is 5.8"W (147 mm) and supports two PDUs up to 2.7"W (69 mm) side-by-side
- Full Height Dual PDU Bracket is required to mount two 6-Breaker eConnect PDUs (series P/Ns PX-2XXXX, PX-3XXXX, LX-2XXXX and LX-3XXXX) side-by-side
- Tool-less PDU mounting on 28" (711 mm), 61.25" (1556 mm) or 64.75" (1645 mm) centers
- Includes: Brackets, installation hardware
- Material: Steel brackets
- Finish: Black or Glacier White

68011-XXX

EF-Series EuroFrame™ Cabinet Accessories		
Part Number	**Description Height (U)**	**Shipping Weight lb (kg)**
68011-X00	Full Height PDU Bracket, 42U	9 (4.1)
68011-X01	Full Height PDU Bracket, 47U	10 (4.5)
68012-X00	Two-Piece Dual PDU Bracket, 42U	5 (2.3)
68012-X00	Two-Piece Dual PDU Bracket, 47U	5 (2.3)
68007-X01	Transport Caster Kit, For all Cabinets	16 (7.3)

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

EF-Series EuroFrame Two-Piece Dual PDU Bracket
Supports two vertical PDUs side-by-side.
- Attaches to the cabinet frame and adjusts in depth, independent of the mounting rails
- Two-Piece Dual PDU Bracket is 4.8"W (121 mm) and supports two PDUs up to 2.2"W (55.9 mm) side-by-side
- Two-Piece Dual PDU Bracket supports most eConnect PDUs (series P/Ns PX-1XXXX and LX-1XXXX) side-by-side
- Tool-less PDU mounting on 61.25" (1556 mm) or 64.75" (1645 mm) centers
- Includes: Brackets, installation hardware
- Material: Steel brackets
- Finish: Black or Glacier White

68012-X00

Additional Accessories				
Part Number			**Description H x W U x in (mm)**	**Shipping Weight lb (kg)**
Each (1)	**Pack (6)**	**Pack (50)**		
34537-X00	34537-X01	34537-X02	Snap-In Filler Panel, 1U x 19 (482.6)	14 (6.4)
34538-X00	34538-X01	34538-X02	Snap-In Filler Panel, 2U x 19 (482.6)	21 (9.5)

X=color: 0=Black, E=Glacier White. Shipping weights are for 50 pack.

EF-Series EuroFrame Transport Caster Kit
Attaches to the bottom of the EF-Series EuroFrame Cabinet and provides an easy way to move cabinets around a location and into position. The Transport Caster Kit is reusable.
- Attaches to the bottom of the cabinet frame
- Includes: Brackets with casters, installation hardware
- Material: Steel brackets
- Finish: Black or Glacier White

68007-X01

Additional Accessories		
Part Number	**Description**	**Shipping Weight lb (kg)**
39150-001	5 mm Hex Ball Drive Tool, 12"L (300 mm)	1 (0.5)
12637-001	Cage Nuts, Screws, M6, Pack (25), Gold	1 (0.5)

Snap-In Filler Panel
Snap-In Filler Panel blocks airflow in-between equipment by sealing unused rack-mount spaces (U) in the cabinet. Use with Air Dam Kit to separate cold and hot air within the cabinet.
- Easy, tool-less attachment and removal on 19"EIA (486.2 mm) square-punched mounting rails
- Fills entire U space to form a tight seal between panels and equipment
- Material: Plastic
- Finish: Black or Glacier White
- Available in 1U and 2U heights, individual or bulk packs, colour matched to cabinet

34537-X00
34538-X00

For product CSI Specs visit the Support & Downloads page on **www.chatsworth.com**.

Scan or click here to visit our CPI Online Catalog.

CPI CHATSWORTH PRODUCTS