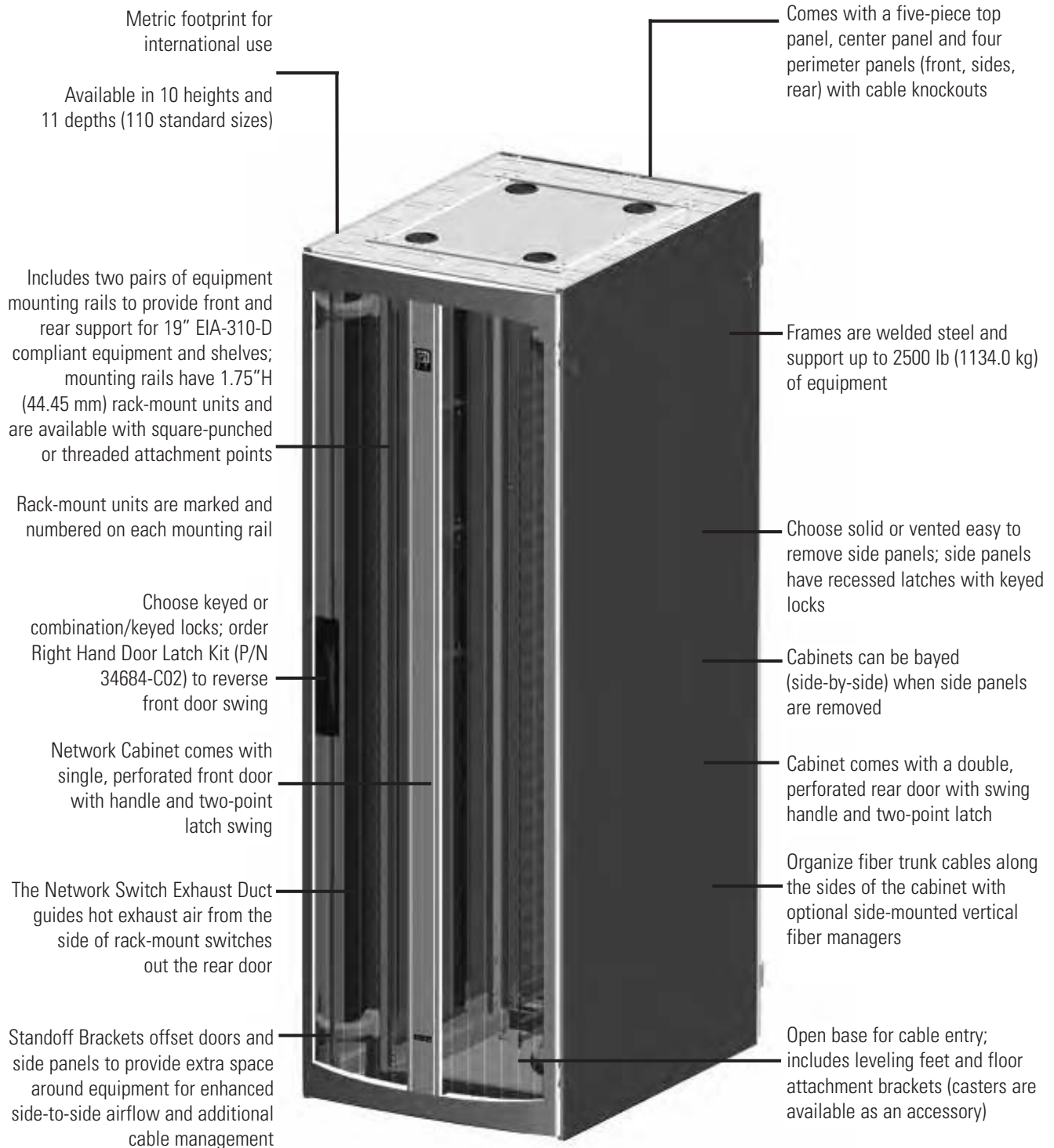


The N-Series TeraFrame® Network Cabinet



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:

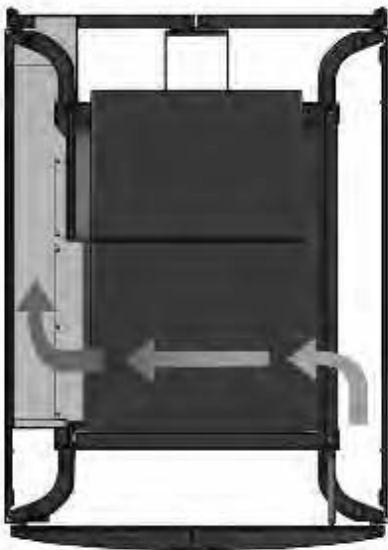
- Available in 10 heights and 11 depths
- Designed to meet third party specifications for specific manufacturer switches
- Matches standard TeraFrame Cabinet system style and sizes
- Includes two pairs of 19" EIA equipment mounting rails providing front and rear support for equipment and shelves
- Static 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 supports **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 2-28 or at 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.

N-SERIES TERAFRAME® NETWORK 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	
in	mm	in	mm		
78.3	1989	78.1	1984	42	C
80.0	2033	79.9	2029	43	D
81.8	2077	81.6	2073	44	E
83.5	2122	83.4	2118	45	F
85.3	2166	85.1	2162	46	G
87.0	2211	86.9	2207	47	H
88.8	2255	88.6	2251	48	J
90.5	2300	90.4	2296	49	K
92.3	2344	92.1	2340	50	L
94.0	2389	93.9	2385	51	M

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	0
Included - Includes one Cable Finger Kit	1

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

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	
0	None
1	Solid, 1 each
2	Solid, 2 each
3	Vented, 1 each
4	Vented, 2 each

9. Top Panel	
4	Solid with Knock-Out Ports

8. Color	
C	Black
D	Signature Blue
E	Glacier White
F	Steel Gray

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

6. Rear Door	
3	Double, Perforated Metal

5. Front Door	
1	Single, Perforated Metal

4. Rail Style	
1	Square Punch, 2 Pair
2	Tapped, #12-24, 2 Pair

The N-Series TeraFrame Network Cabinet supports Cisco Catalyst, Cisco Nexus and Juniper Network switches. See next page for specific part number information.

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 2.5" (64 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-D 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, and for more information on N-Series solutions for Juniper Network Switches, refer to the www.chatsworth.com/juniperteraframe.