HyperX

High-Density Optical Distribution Frame

Gain manageable, accessible, and ultra-high fiber density in a user-friendly package through the modular architecture of the Amphenol Network Solutions HyperX optical distribution frame (ODF).

HyperX ODF is an innovative interconnect/cross-connect platform built upon an industry-standard 19-inch open architecture seismic zone 4 rack with high-density 8-inch vertical cable managers. Designed as a modular solution, the HyperX ODF allows you to scale your network as needed with Amphenol Network Solutions fiber panels.

The HyperX ODF efficiently distributes fiber in hyperscale applications, tier one data centers, and other high-capacity environments. Users can populate HyperX with a recommended twelve 3RU C2X chassis, providing up to 3,456 LC terminations for the highest density ODF per square foot on the market.

Advanced cable management features reduce cable congestion and prevent signal loss throughout the frame for long-term reliability. Tie-off brackets on the rear of HyperX cable managers enable IFC/OSP cable management, as well as provisions for spools if jacketed jumpers are planned to be terminated on the rear side of the frame.

Key Benefits

- Storage capacity designed to accommodate multiple fiber routing architectures
- Clear routing paths to minimize crossing and congestion of fiber
- Rapid identification, with organized access for mining fiber out of cable storage areas
- Reduces floor space demands in high-density environments
- Engineered to maintain bend radius protection
- Adaptable to your network architecture
- ANSI and ETSI footprints available
- Maximized with 42RU available mounting spaces
- GR-63 Zone 4 seismically certified to 825 lbs.

Applications

- Central offices
- Data centers
- Head ends
- Telco
- Core of network
- Main distribution area
- End of row for main distribution areas or large data centers with long rows of networking equipment

HyperX ODF

Options Based on Network Requirements

When you have high density requirements, but space is at a premium in your facility, our 19-inch Seismic Frame combined with an 8-inch cable manager (or two) will meet your requirements.

- All HyperX ODF systems begin with the F22 frame (19-inch Seismic Network Bay at 22 inches overall width) as the basic building block. Users select additional components from there.

- Gen 2 cable managers contain spools in the front, brackets in the rear, and can be optionally configured with rear spools (HYP-CM2-RSPL) for applications requiring jumpers or MPO trunk cables routed to the rear of the frame.

- Spool locations on the rear side of Gen 2 cable managers are spaced to match up with GR-449-compliant fiber distribution frames such as the NGF™, NG4™, etc., and facilitate transitions from these types of lineups.

- For applications with large numbers of jumpers in the rear, Gen 2 cable managers can be mounted back-to-back in the same 24-inch footprint to provide the ultimate in slack storage capacity.

- Gen 2 8-inch cable managers have a nominal 300mm depth, making them suitable for ETSI installations when combined with the HYP-F22-E Seisnet Frame, which is shallower in depth.

Ordering Information (ANSI)

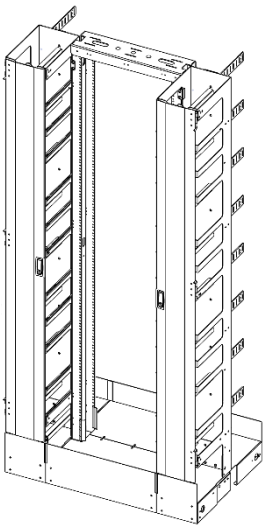
Component	Part Number	Description
Frame*	HYP-F22-S	19" Seismic Network Bay, 44 RU, 22" W x 24" D; includes front-to-rear bottom trough, isolation pad, anchors
Cable Manager*	HYP-CM2-RS	Right side Gen 2 cable manager, 8" W; includes door, rear guard box, trough, isolation pad, anchors, tie-off brackets
	HYP-CM2-LS	Left side Gen 2 cable manager, 8" W; includes door, rear guard box, trough, isolation pad, anchors, tie-off brackets
	HYP-CM2-MS	Middle Gen 2 cable manager, 8" W; includes right door, rear guard box, trough, isolation pad, anchors, tie-off brackets
	HYP-CM2-B2B	Cable managers: dual, front & rear, 8" W x 24" D
End Panel	HYP-EP2-24D	24" D end panel, 84" H, mounts to rack or cable managers
Tie-Off Brackets	HYP-BRKT-K08L	8.75" L cable tie-off brackets, quantity 8 plus mounting hardware
Rear Spool Kit	HYP-CM2-RSPL	12" L spools, 30mm diameter, quantity 6 plus mounting hardware
Pass-Through Tray	HYP-1RU-HPT	1RU front-to-back symmetric pass-through tray, 19" W x 19" D
Horizontal Tray	ACCE-1901-HZT	1RU 19" rack-mounted horizontal trough

*Frames and Cable Managers include all required mounting hardware.

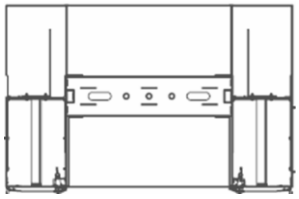
Ordering Information (ETSI)

Component	Part Number	Description
ETSI Frame*	HYP-F22-E	19" Seismic Network Bay, 44 RU, 22" W x 12" D for ETSI; includes front-to-rear bottom trough, isolation pad, anchors
Cable Manager*	HYP-CM2-R	Right side Gen 2 cable manager, 8" W x 12" D
	HYP-CM2-L	Left side Gen 2 cable manager, 8" W x 12" D
	HYP-CM2-M	Middle Gen 2 cable manager, 8" W x 12" D
End Panel	HYP-EP	12" D end panel, 84" H
Doors	HYP-DOOR-2R	Right side door for 8" cable manager
	HYP-DOOR-2L	Left side door for 8" cable manager
Horizontal Tray	ACCE-1901-HZT	1RU 19" rack-mounted horizontal trough

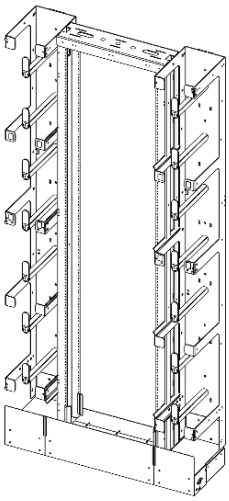
*Frames include all required mounting hardware. Not all configurations shown.



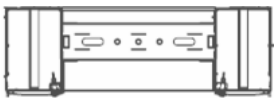
HyperX ODF (ANSI)



HyperX ANSI Footprint



HyperX ODF (ETSI)



HyperX ETSI Footprint

Dimensions

Component	Part Number	Height	Width	Depth
ANSI Frame	HYP-F22-S	84in	22in	24in
ETSI Frame	HYP-F22-E	2133mm	552mm	303mm
Cable Manager	HYP-CM2-X	84in / 2133mm	8in / 203mm	11.9in / 303mm
Configured Examples				ANSI /ETSI[1]
HyperX with 1 CM2		84in / 2133mm	30in / 755mm	24in / 303mm
HyperX with 2 CM2s		84in / 2133mm	38in / 958mm	24in / 303mm

1 ETSI-configured example reflects the 300mm depth with HYP-F22-E.