

FHD-1U-CMP400 Rack Mount Fiber Enclosure

High capacity, high-density solution maximizes rack space utilization and reduces floor space requirements for lower overall system costs



Description

FHD® (FS High Density) 1U rack mount modular fiber enclosure is designed to accept up to 4pcs FHD® series cassettes or fiber adapter panels within a 1U space. Its mounting holes on the front frame are specially designed for FHD® Series cassettes and panels. The push-lock rivets allow fast deployment between enclosures and cassettes/panels. The one-piece structure provides full accessibility to the front and back of the enclosure, ensuring easy cable management.

Features

- Unique One-piece Structure Provides Full Accessibility to Front and Back, Ensuring Fast Deployment
- Compatible with All FHD Cassettes and Panels
- Up to 144 Fibers (LC) or 1,152 Fibers (MTP®-24)
- Space Saving 1U Design, Mount to Standard EIA 19" Rack Rails
- Build-in Rear Cable Managers for Easy Maintenance
- Compatible With Multimedia Panel for Both Fiber and Copper Solution

Standards Compliance & Regulations

- TIA/EIA-568-C.3
- RoHS Compliant
- ISO9001 Certificate
- Reach Compliant

Product Specifications

No. of Rack Spaces	1U
Fiber Count	Up to 144 Fibers (LC) or 1,152 Fibers (MTP®-24)
Product Type	Modular Enclosure
Mounting Type	Rack Mount
Shielding Type	Unshielded
Material	Steel, Powder-coated Black
Dimensions (HxWxD)	1.73"x19.00"x7.67" (44x482.6x194.8mm)
Installation	Standard EIA 19" Rack Rails
Loaded	Unloaded
Application	Accepts FHD Adapter Panels/Cassettes

Environmental Characteristics

Operating Temperature	-25°C to 50°C
Storage Temperature	-40°C to 65 °C
Installation temperature	0°C to 50°C

Accessories List



Adhesive Bevel Entry
Clip x3



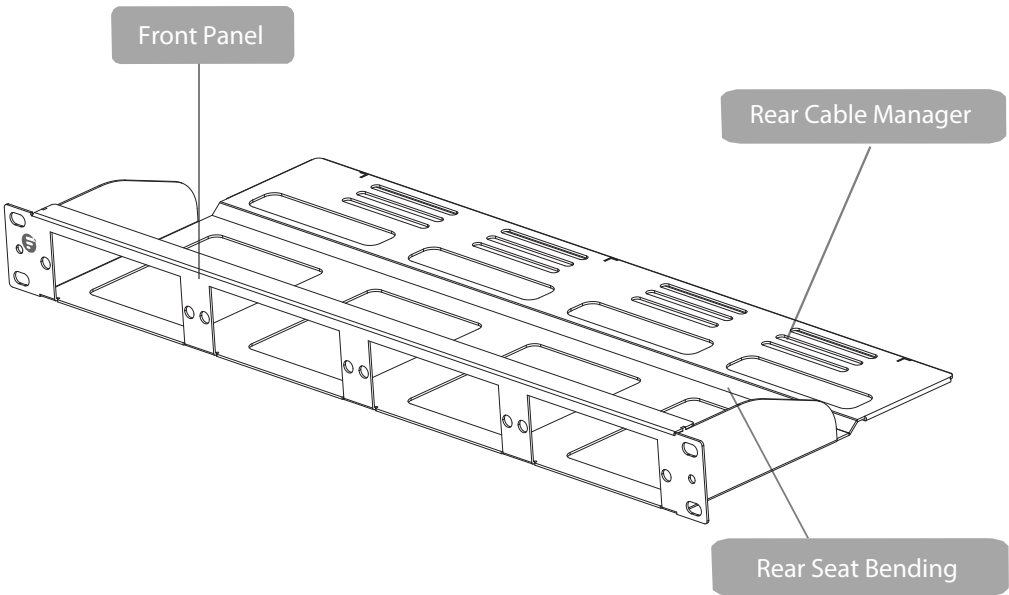
M6*15 Screw x4 and
M6 Nut x4



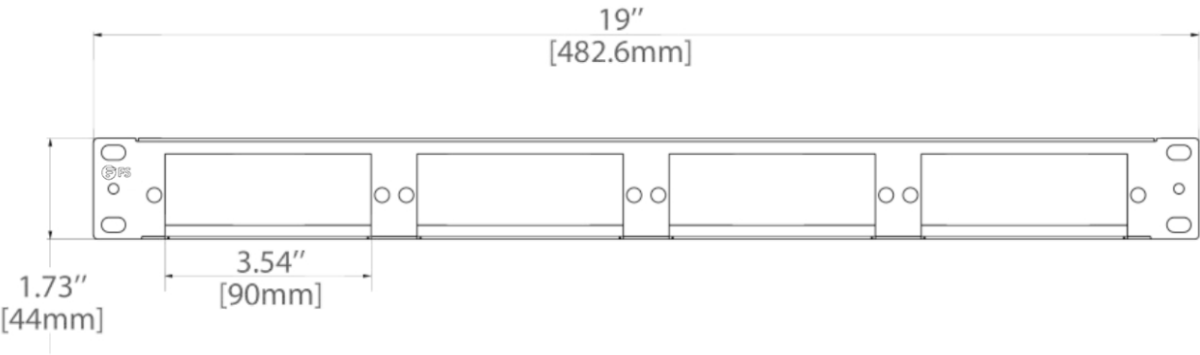
Cable Tie x4

Layout and Dimensions

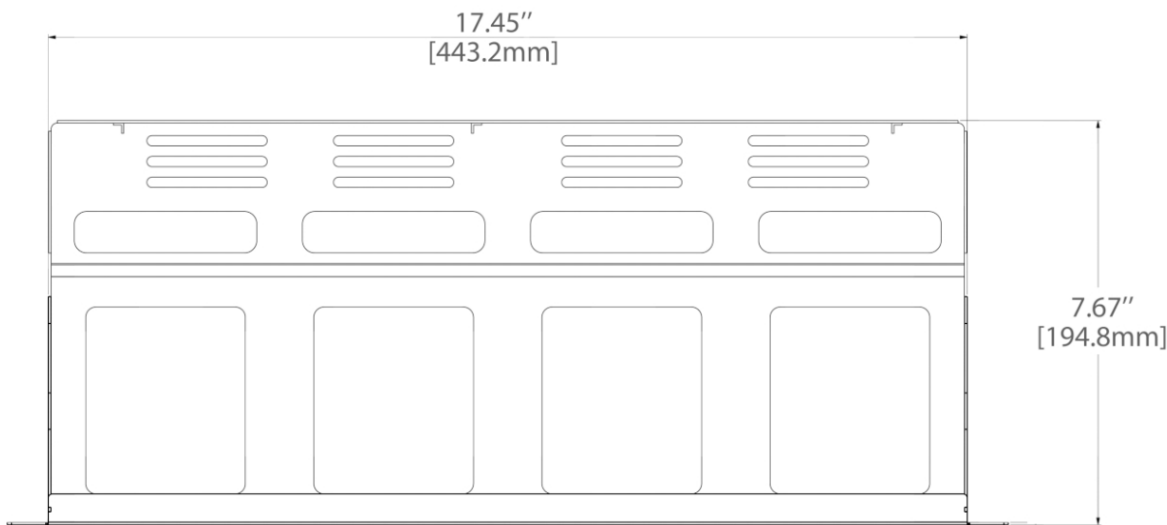
Assembly Structure Illustration



Front View



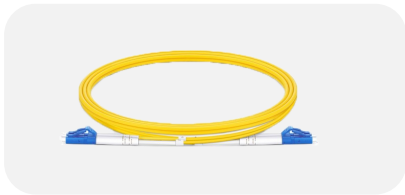
Top View



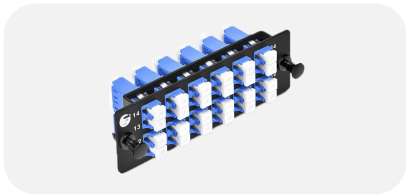
Dimensions are in inches. (Dimensions in parentheses are in millimeters).

Product Application

I. Fiber Patch Cable Connections



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Item No.	#ID	Description
1	#40191	1m (3ft) LC UPC to LC UPC Duplex Single Mode Fiber Optic Patch Cable
2	#35488	12x LC Duplex, 24 Fibers OS2 Single Mode FHD Fiber Adapter Panel
3	#70419	FHD 1U Rack Mount Modular Enclosure

II. Copper and Fiber Patch Cable Connections



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Item No.	#ID	Description
1	#70595	3ft (0.9m) Cat6 Snagless Unshielded (UTP) PVC CM Ethernet Network Patch Cable, Blue
2	#40191	1m (3ft) LC UPC to LC UPC Duplex Single Mode Fiber Optic Patch Cable
3	#41591	Cat6 Keystone RJ45 Coupler, Unshielded, Female to Female Insert Inline Coupler - Blue
4	#61896	LC/UPC to LC/UPC Duplex Single Mode Fiber Optic Adapter/Coupler without Flange
5	#143239	FHD 6-Port Multimedia Copper/Fiber Modular Panel with 6x Plastic Clips
6	#70419	FHD 1U Rack Mount Modular Enclosure

NOTE: The basic application and matching products for the modular enclosure are shown for reference.

III. MTP® Cabling Management



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Item No.	#ID	Description
1	#68294	1m (3ft) Grade B LC UPC to LC UPC Duplex OS2 Fiber Patch Cable
2	#57341	2x MTP®-12 to 12x LC Duplex, Type A, 24 Fibers OS2 FHD MTP®/MPO Cassette
3	#68102	5m (16ft) MTP® Female 12 Fibers OS2 9/125 Single Mode Trunk Cable, Type A
4	#68540	2x MTP®-12 to 12x LC Duplex, Type AF, 24 Fibers OS2 FHD MTP®/MPO Cassette
5	#70419	FHD 1U Rack Mount Modular Enclosure

NOTE: The basic application and matching products for the modular enclosure are shown for reference.

Fiber Enclosure Loading

I. Fiber Adapter Panel

Description	#ID (OS2)	#ID (OM4)
24F, 12x LC Duplex Fiber Adapter Panel	#35488	#51284
12F, 16x SC Duplex Fiber Adapter Panel	#35484	#41998
12x MTP® Key Up to Key Down Fiber Adapter Panel	#35510	#35510
8x MTP® Key Up to Key Up Fiber Adapter Panel	/	#52022
6F, 6x ST Simplex Fiber Adapter Panel	#183380	#183382
8F, 8x ST Simplex Fiber Adapter Panel	#183381	#183383
12F, 12x LSH Simplex Fiber Adapter Panel	#336339	/
48F, 12x MDC 2-Port Duplex Fiber Adapter Panel	#147015	/
6-Port Multimedia Modular Panel with 6 Plastic Clips	#143239	#143239

II. MTP®/MPO Cassette

Description	#ID (OS2)	#ID (OM4)	#ID (OM5)
8F, MTP®-8 to 4x LC Duplex Cassette, Universal	#68401	#68402	/
16F, 2x MTP®-8 to 8x LC Duplex Cassette, Universal	/	#230555	/
24F, 3x MTP®-8 to 12x LC Duplex Cassette, Universal	#143164	#68399	/
24F, 3x MTP®-8 to 2x LC Shuttered Duplex Cassette, Universal	#181822	#181823	/
12F, MTP®-12 to 6x LC Duplex Cassette, Type A	#57016	#57017	#174246
12F, MTP®-12 to 6x LC Duplex Cassette, Type AF	#57037	#57038	#174247
12F, MTP®-12 to 6x LC Duplex Cassette, Universal	#182641	#182642	/
24F, 2x MTP®-12 to 12x LC Duplex Cassette, Type A	#57341	#57342	#174248
24F, 2x MTP®-12 to 12x LC Duplex Cassette, Type AF	#68540	#68541	#174249
24F, 2x MTP®-12 to 12x LC Duplex Cassette, Universal	#182643	#182644	/
36F, 3x MTP®-12 to 12x LC Duplex Cassette, Type A	#105333	#105335	/
36F, 3x MTP®-12 to 12x LC Duplex Cassette, Type AF	#105334	#105336	/

II. MTP®/MPO Cassette

Description	#ID (OS2)	#ID (OM4)	#ID (OM5)
24F, MTP®-24 to 12x LC Duplex Cassette, Type A	#57023	#57024	/
24F, MTP®-24 to 12x LC Duplex Cassette, Type AF	#68549	#68550	/

*MTP® is a registered trademark of US Conec Ltd.

*The US Conec MTP® connectors are fully compliant with the MPO standards.

Warranty Information

For FS product warranties, visit <https://www.fs.com/policies/warranty.html>