

FHD-1UFMT-S Rack Mount Enclosure

Designed for the data center environment, serves as a protection function for fiber management.



Description

FHD 1U rack mount sliding and tilt-down fiber enclosure, which is designed to accept up to 4 FHD series MTP® modular cassettes or fiber adapter panels within a 1U space. Fibers are easily accessible through a sliding, tilt-down drawer, while rear cable management maintains proper slacking and spooling. It is able to serve as a transition from backbone cabling to distribution switching, an interconnect to active equipment, or as a cross-connect or interconnect in a main or horizontal distribution area.

Description

- Sliding and 15° Tilt-down Drawer for Easy Deployment
- Compatible with All FHD Cassettes, Panels, and Splice Trays
- Up to 144 Fibers (LC) or 1,152 Fibers (MTP®-24)
- Space Saving 1U Design, Mount to Standard EIA 19" Rack Rails
- No Need for Additional Tools Enabling Faster MACs
- Rear Cable Management Maintains Proper Slacking and Spooling

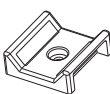
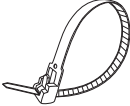
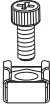
Sandards Compliance & Regulations

- RoHS Compliant
- ISO9001 Certificate
- WEEE Certificate

Product Specification	
Part Number	FHD-1UFMT-S
Number of Rack Spaces	1U
Fiber Count	Up to 144 Fibers (LC) or 1,152 Fibers (MTP®-24)
Product Type	Sliding and Tilt-down Enclosure
Cable Entry Direction	Rear Cable Entry
Loaded	Unloaded
Material	Steel, Powder-coated Black
Working angle	15°
Weight	7.58lbs (3.44kg)
Mounting Type	Rack Mount
Installation	Standard EIA 19" Rack Rails
Dimensions (HxWxD)	1.73"x19.00"x12.20" (44.0x482.6x311.0mm)
Application	Accepts 4 FHD Panels/Cassettes

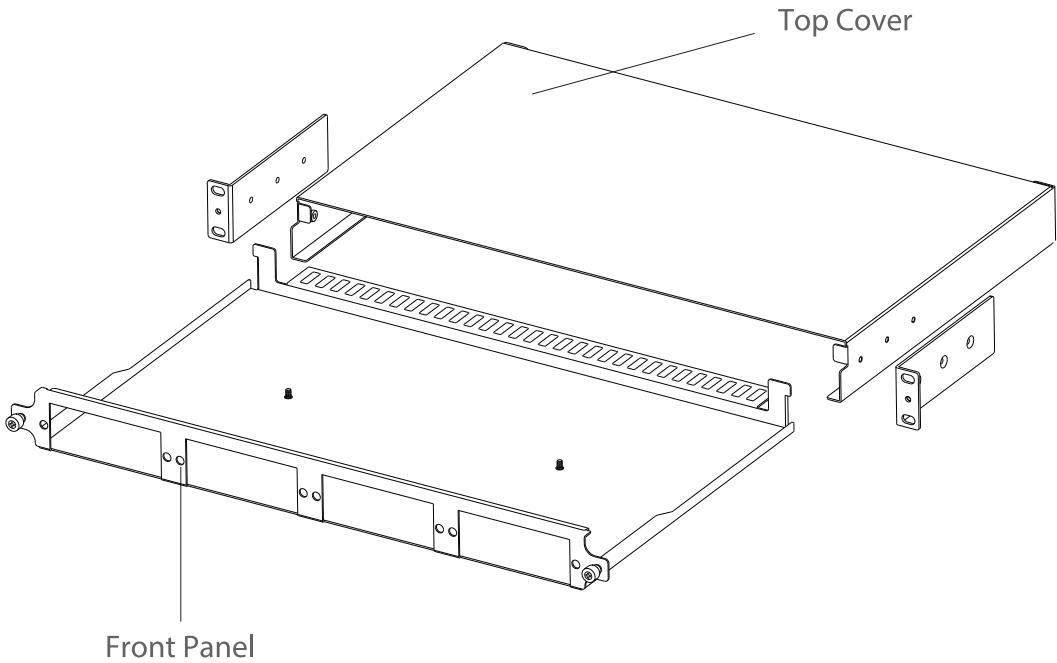
Environmental Characteristics	
Operating Temperature	-25°C to 50°C
Storage Temperature	-40°C to 65°C
Installation temperature	0°C to 50°C
Salt Mist Cyclic Test	48H

Accessories List

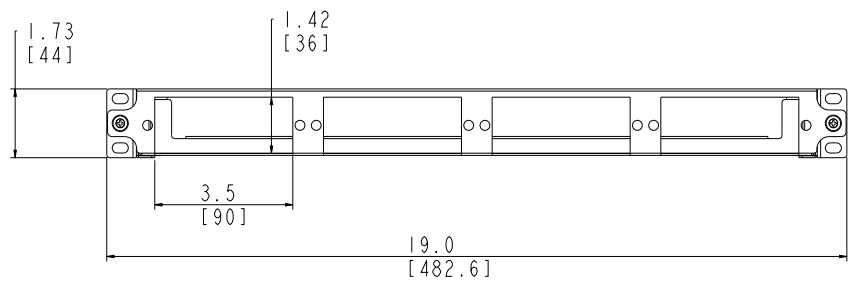
	Laser Warning Label x1		Slack Spool x2		Loop Cable Tie Mount x2
	Adhesive Cable Entry x2		Cable Tie x6		Plastic Rivet x4
	Screw Package x1		Nylon Cable Tie x4		Screwdriver x1
 	M4*8 Crew x4 and M4 Nut x8		M6*15 Crew x4 and M6 Nut x4		

Layout and Diemensions

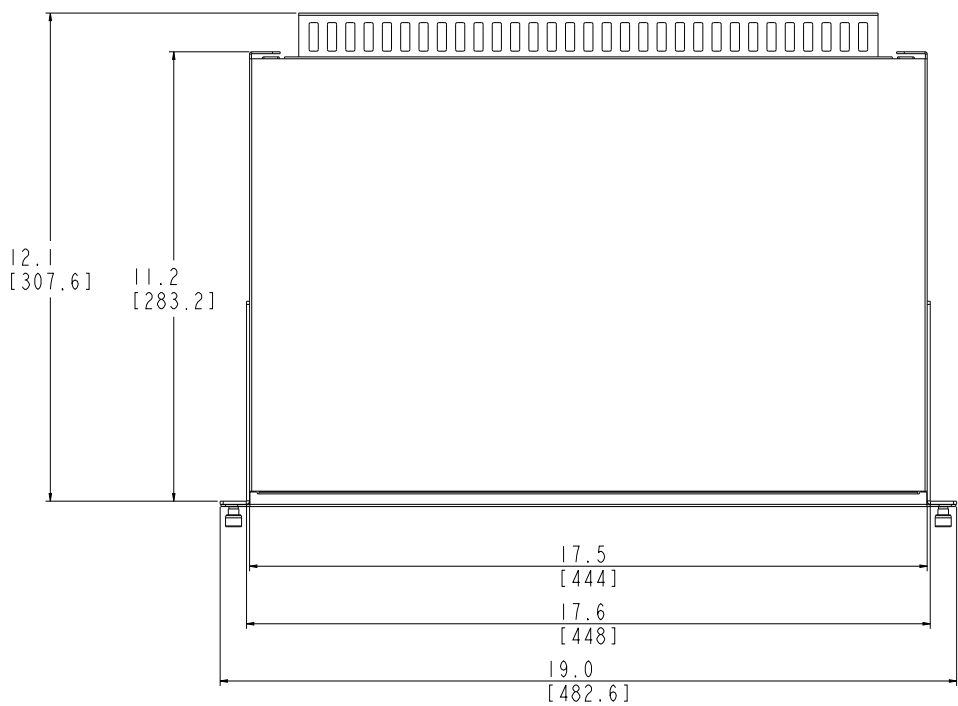
Assembly Structure Illustration



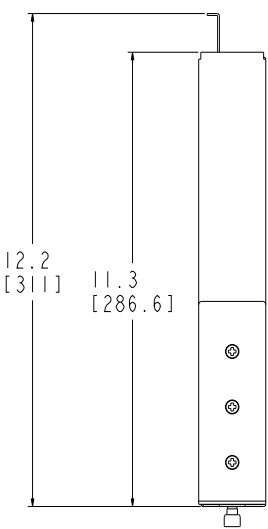
Front View



Top View



Side View



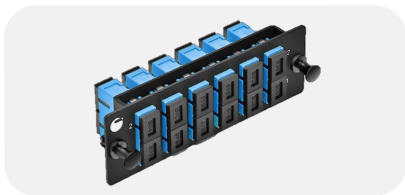
Dimensions are in inches. (Dimensions in parentheses are in millimeters).

Product Application

I. Fiber Patch Cord Connections



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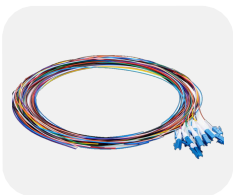
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Item No.	ID Number	Description
1	#40234	1m (3ft) SC UPC to SC UPC Duplex Single Mode Fiber Patch Cable
2	#35484	6x SC Duplex, 12 Fibers OS2 Single Mode FHD Fiber Adapter Panel
3	#145167	1U Sliding and Tilt-down Rack Mount Fiber Enclosure

II. Fiber Optic Splicing



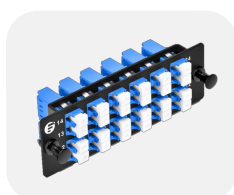
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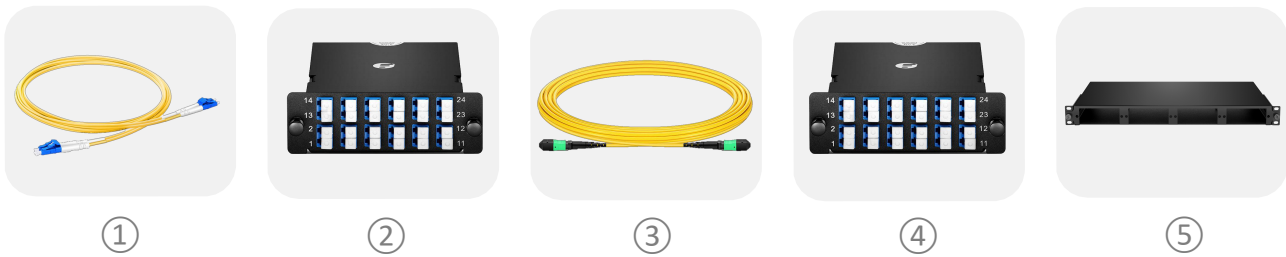
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Item No.	ID Number	Description
1	#42459	1m (3ft) 12 Fibers LC/UPC 9/125 Single Mode Color-Coded Fiber Optic Pigtail
2	#64246	24 Fibers Optical Splice Tray for FHD Fiber Enclosure
3	#145167	1U Sliding and Tilt-down Rack Mount Fiber Enclosure
4	#35488	12x LC Duplex, 24 Fibers OS2 Single Mode FHD Fiber Adapter Panel
5	#68294	1m (3ft) Grade B LC UPC to LC UPC Duplex OS2 Fiber Patch Cable

III. MTP Cabling Management



Item No.	ID Number	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	#145167	1U Sliding and Tilt-down Rack Mount Fiber Enclosure

Note: The basic application and matching products for the 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	/
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>