

FHD-1UFMT-N Fixed Enclosure

High-density solution to manage fiber termination, connections, and patching for all applications



Description

The FHD® (FS High Density) 1U rack mount fixed fiber enclosure is designed to accept up to 4pcs FHD® series cassettes or fiber adapter panels within a 1U space, providing versatility and flexibility with a fully modular solution for a variety of fiber optic patching, terminating, and splicing applications. Enclosure meets the TIA/EIA-568-C.3 Standard on the performance requirements of fiber distribution devices. Compared with the last generation, it has been upgraded to simplify the operation, the top cover could be tool-less removed, which makes the cable management more convenient. 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.

Features

- One-piece Removable Cover on Enclosure Allows for Complete Accessibility to the Back of the Enclosure and Protects Fibers
- 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
- Front Mounting Holes for Toolless Snap-in Installation Enabling Fast MACs
- Allow for Rear Cable Entry Direction, as well as the Traditional Side Cable Entry
- Made of Power-coated Black Steel Material with Excellent Crush and Abrasion Resistance

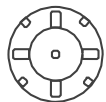
Standards Compliance & Regulations

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

Product Specification	
Part Number	FHD-1UFMT-N
No. of Rack Spaces	1U
Fiber Count	Up to 144 Fibers (LC) or 1,152 Fibers (MTP®-24)
Product Type	Fixed Enclosure
Cable Entry Direction	Side and Rear Cable Entry
Top Cover Removable	Yes, Tool-less by Hand
Loaded	Unloaded
Material	Steel, Powder-coated Black
Mounting Type	Rack Mount
Installation	Standard EIA 19" Rack Rails
Dimensions (HxWxD)	1.73"x19.00"x11.17" (44.0x482.6x283.6mm)
Application	Accepts Four FHD Panels/Cassettes

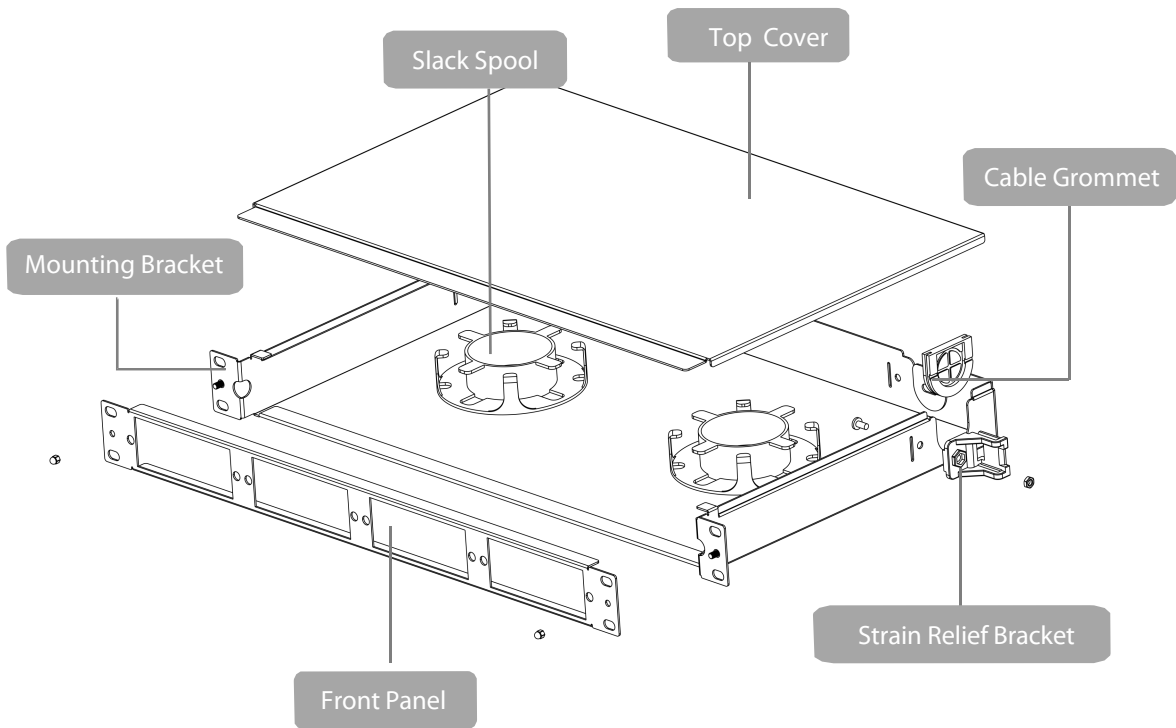
Environmental Characteristics	
Operating Temperature	-25°C to 50°C
Storage Temperature	-40°C to 65°C
Installation temperature	0°C to 50°C
Salt Mist Cyclic Test	48H

Accessories List

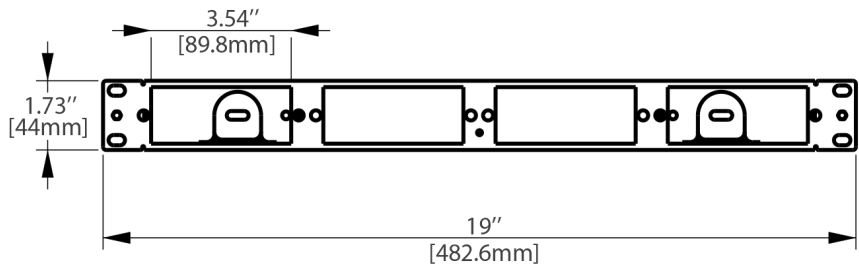
	Slack Spool x2		Strain Relief Bracket x2		Cable Grommetx4
	Adhesive Cable Entry Clip x2		Loop Cable Tie Mount x2		Plastic Rivet x4
	Screw Package x1		M4*8 Screw x4 and M4 Nut x8		M6*15 Screw x4 and M6 Nut x4
	Cable Tie x6		Screwdriver x1	WARNING	Laser Warning Label x1

Layout and Dimensions

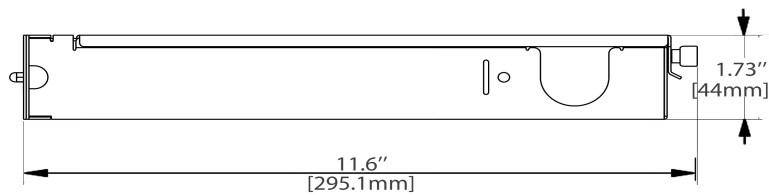
Assembly Structure Illustration



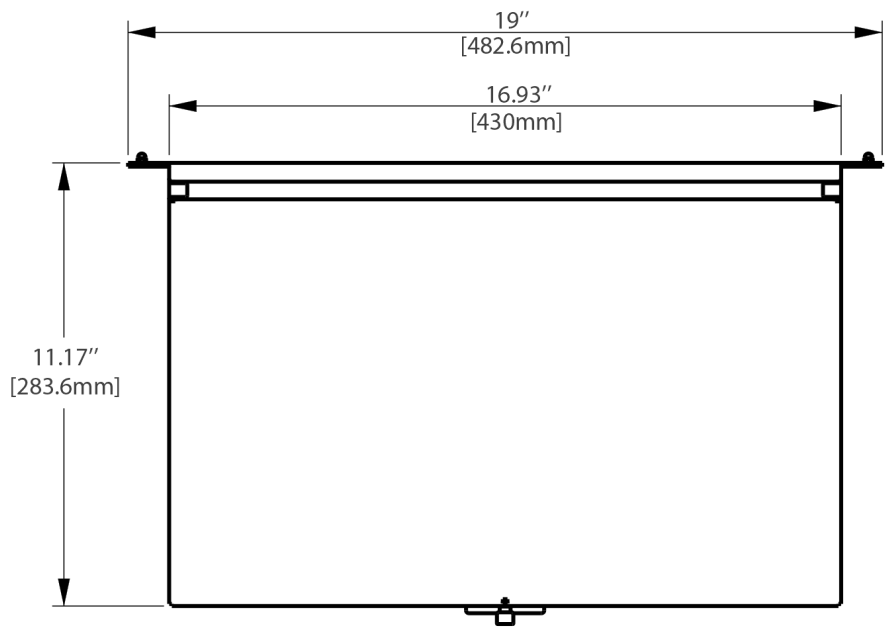
Front View



Side View



Top View



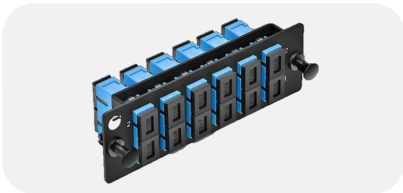
Dimensions are in inches. (Dimensions in parentheses are in millimeters).

Product Application

I. Patch Cord Connections



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Item No.	#ID	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	#96427	1U Rack Mount FHD High Density Fiber Enclosure

II. Fiber Optic Splicing



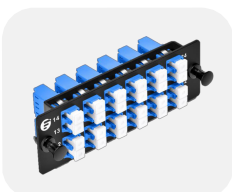
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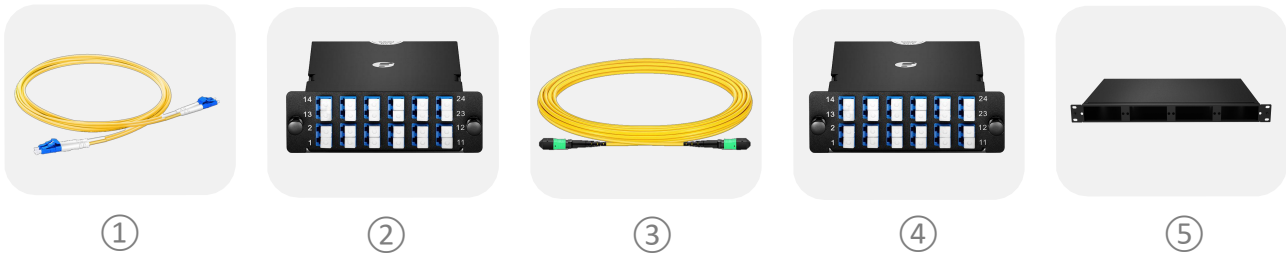
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Item No.	#ID	Description
1	#42459	1m (3ft) 12 Fibers LC/UPC 9/125 Single Mode Color-Coded Fiber Optic Pigtail
2	#64246	24 Fibers Optical Splice Tray for FHD Fiber Enclosure
3	#96427	1U Rack Mount FHD High Density Fiber Enclosure
4	#35488	12x LC Duplex, 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	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	#96427	1U Rack Mount FHD High Density 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>