

# FHD 1U Rack Mount Fiber Enclosure

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



## FHD 1U Slide-out Rack Mount Enclosure

FHD Slide-out Fiber Rack Mount Enclosures are available in 1U, 2U and 4U sizes (FHD-1UFCE, FHD-2UFCE, FHD-4UFCE) and mount into 19" racks or cabinets. The enclosures provide a system for managing fiber terminations, connections, and patching in all types of applications.

## Standards Compliance

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

## Features

- Up to 144 fibers in 1U space.
- Sliding drawer is ideal for panel access management.
- Offers total front access to all patch cords and rear cables for in-cabinet mounting locations.
- Mounts to standard EIA 19" rack rails, holds up to 4x FAPs or MTP® Cassettes.
- Ensures signal integrity, proper cable routing, bend radius control and cable protection.
- Provides flexibility solution for rapid deploy installation and patching application.



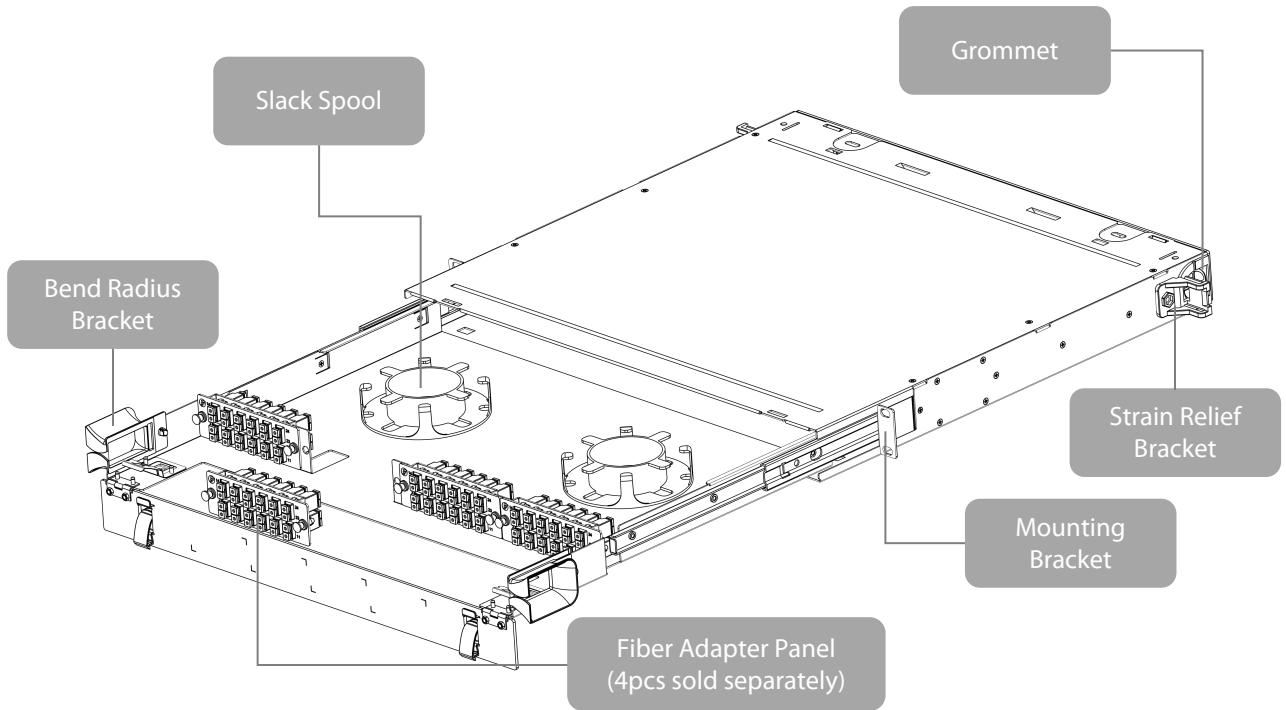
### Product Specifications

<b>No. of Rack Spaces</b>	1U
<b>Capacity</b>	4 Ports
<b>Fiber Count</b>	Max. 144 Fibers
<b>Enclosure Type</b>	Rack-mountable
<b>Material</b>	SPCC (Black Coating)
<b>Dimensions (HxWxD)</b>	1.73"x17.64"x17.04" (44x448x432.8mm)
<b>Installation</b>	FHD Series FAPs and Cassettes




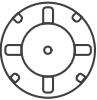

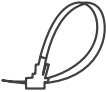









### Environmental Characteristics

<b>Operating Temperature</b>	-25°C to 50°C
<b>Storage Temperature</b>	-40°C to 65 °C
<b>Installation temperature</b>	0°C to 50°C

## Assembly Structure Illustration



## Accessories List

- |   |                  |   |                              |  |                              |
|---|------------------|---|------------------------------|--|------------------------------|
|  | Door Latch x4    |  | Bend Radius Bracket x2       |  | Grommet x4                   |
|   | Slack Spool x2   |  | Loop Cable Tie Mount x2      |  | Nylon Cable Tie x4           |
|   | Plastic Rivet x4 |  | Adhesive Bevel Entry Clip x2 |  | Strain Relief Bracket x2     |
|   | Screw Package x1 |  | M4*8 Screw x4 and M4 Nut x8  |  | M6*15 Screw x4 and M6 Nut x4 |
|  | Cable Tie x2     |  | Location Label x1            |  | Screwdriver x1               |

## Fiber Enclosure Capacity

Description	#ID	Part Number	Capacity	Fiber Count
FHD 1U slide-out rack mount enclosure	#70361	FHD-1UFCE	4 ports	144F
FHD 2U slide-out rack mount enclosure	#73205	FHD-2UFCE	8 ports	288F
FHD 4U slide-out rack mount enclosure	#73206	FHD-4UFCE	12 ports	432F
FHD 1U fixed rack mount enclosure	#34684	FHD-1UFMT-N	4 ports	144F
FHD 1U modular enclosure panel	#70419	FHD-1U-CMP400	4 ports	144F

## Fiber Enclosure Loading List

### I. Fiber Adapter Panel

Description	#ID (OS2)	#ID (OM4)
24F, 12x LC Duplex Fiber Adapter Panel	#35488	#51284
12F, 6x 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	#52022
6-Port FHD Multimedia Modular Panel with 6x Plastic Clips	#66602	#66602

### II. MTP®/MPO Cassette

Description	#ID (OS2)	#ID (OM4)
8F, MTP®-8 to 4x LC Duplex Cassette	#68401	#68402
12F, MTP®-12 to 6x LC Duplex Cassette, Type A	#57016	#57017
12F, MTP®-12 to 6x LC Duplex Cassette, Type AF	#57037	#57038
24F, 2x MTP®-12 to 12x LC Duplex Cassette, Type A	#57341	#57342
24F, 2x MTP®-12 to 12x LC Duplex Cassette, Type AF	#68540	#68541
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.

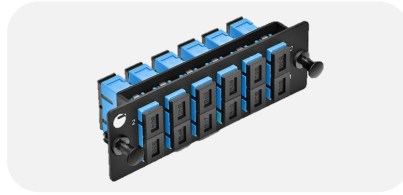
\*The US Conec MTP® connectors are fully compliant with the MPO standards.

## Product Application

### I. Patch Cord Connections



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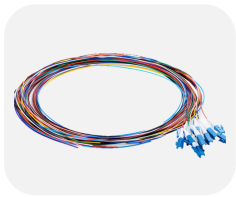
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Item No.	#ID	Description
1	#40234	1m (3ft) SC UPC to SC UPC Duplex Single Mode Fiber Patch Cable
2	#35484	6x SC Duplex, 12 Fibers OS2 Single Mode FHD Fiber Adapter Panel
3	#70361	1U Rack Mount FHD High Density Slide-out Fiber Enclosure

### II. Fiber Optic Splicing



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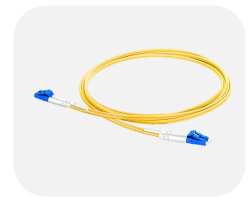
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Item No.	#ID	Description
1	#42529	1m (3ft) 12 Fibers LC/UPC 9/125 Single Mode Color-Coded Fiber Optic Pigtail
2	#64246	24 Fibers Optical Splice Tray for FHD Fiber Enclosure
3	#70361	1U Rack Mount FHD High Density Slide-out Fiber Enclosure
4	#35488	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



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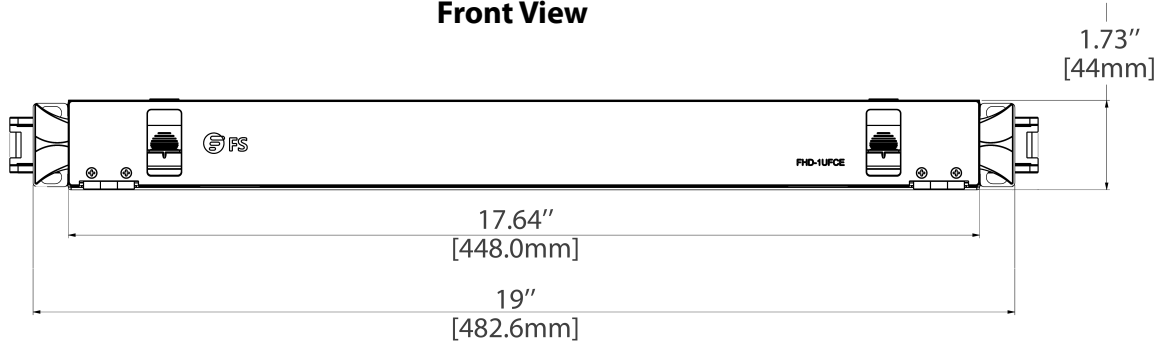
Item No.	#ID	Description
1	#68294	1m (3ft) Grade B LC UPC to LC UPC Duplex OS2 Fiber Patch Cable
2	#57341	2x MTP®-12 to 12x LC Duplex, Type A, 24 Fibers OS2 FHD MTP®/MPO Cassette
3	#68102	5m (16ft) MTP® Female 12 Fibers OS2 9/125 Single Mode Trunk Cable, Type A
4	#68540	2x MTP®-12 to 12x LC Duplex, Type AF, 24 Fibers OS2 FHD MTP®/MPO Cassette
5	#70361	1U Rack Mount FHD High Density Slide-out Fiber Enclosure

**Note:**

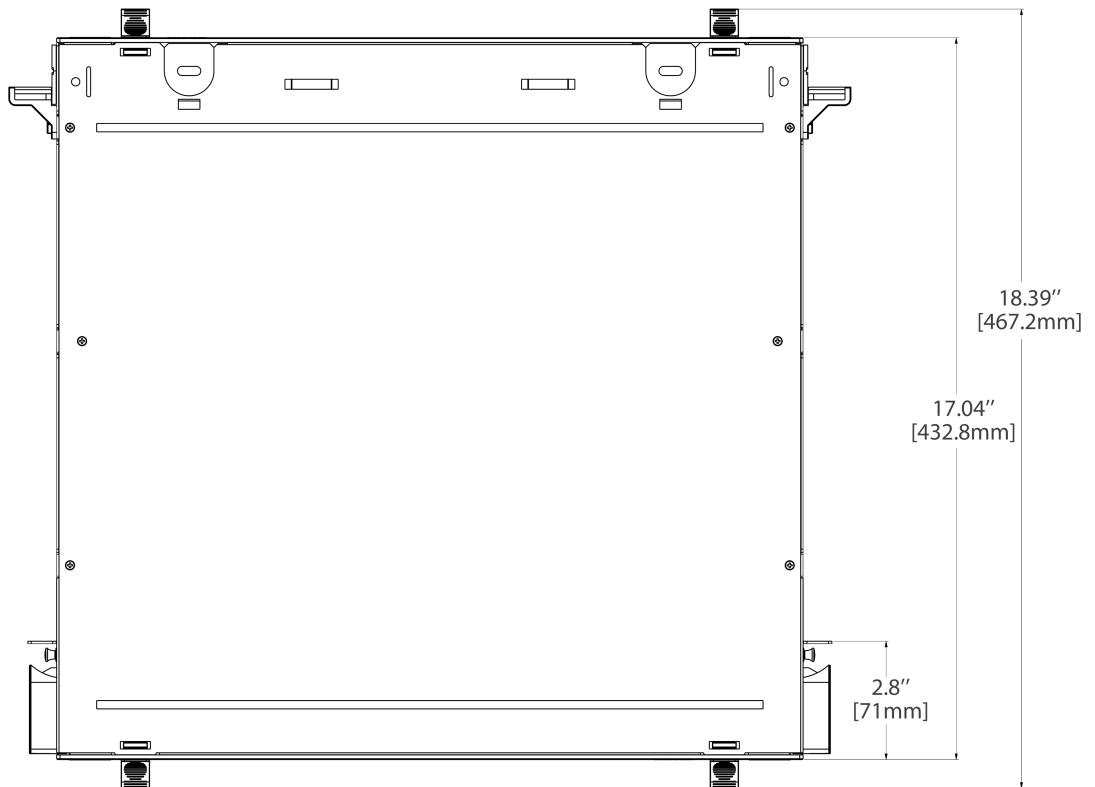
The basic application and matching products for the enclosure are shown for reference.

## Product Specifications

### Front View



### Top View



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



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