

FHD 12 SLOTS OPTICAL MODULAR CHASSIS

3U 19" 288F FIXED CHASSIS 2 LOADING WITH 12XMPO-LC CASSETTES



Description

This 3U MPO-LC fixed chassis is a 19-inch rack-installed high-density fiber distribution solution, engineered for data center infrastructure, telecommunication equipment rooms. Designed to occupy only one rack unit inside a standard 19-inch cabinet, it features four dedicated bays for MPO-LC plastic cassette modules, with each bay supporting either MPO-LC cassettes or adapter panels. Fully loaded with four 24-fiber cassettes, this enclosure delivers a maximum capacity of 96 optical fibers and 288 LC ports within a single 3U rack space.

On its rear side, the chassis terminates high-density MPO/MTP trunk cables, which are then split out to individual LC duplex patch ports on the front panel. This structural design optimizes breakout processing, cable patching and management for high-fiber-count backbone connections. It supports 40G, 100G, 200G and 400G network implementations, maintains a small rack footprint, and enables complete front-side access to simplify MAC (moves, adds and changes) operations.

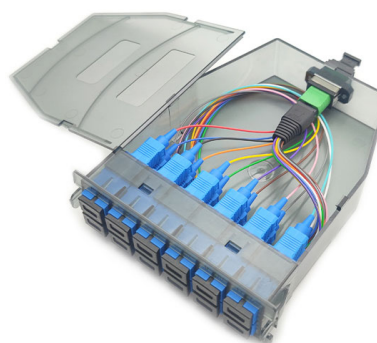


Technical Specifications

Product name	3U 19"288F Fixed Chassis loading with 12xMPO-LC Cassettes	Part No	FHD4F3-12 (CRS Cold rolled steel) FHD4F4-12 (Aluminum alloy)
Enclosure Type	Rack Mountable	Fiber Count	Max.288 Fibers
Installation	Standard EIA 19" Rack	Material	CRS Cold rolled steel or Aluminum alloy
Compliant	TIA/EIA-568-C.3	Dimensions (HxWxD)	482.6mmx426mmx130mm



BLACK Color Cassette



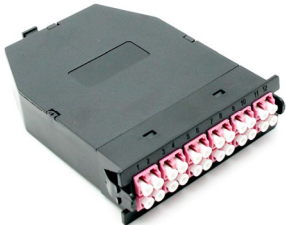
Transparent Cassette

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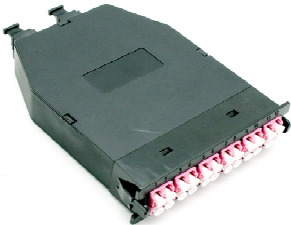
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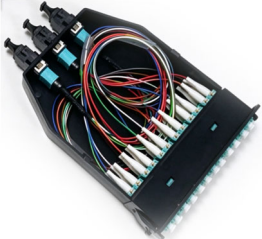


MPO-LC Modular Cassette

1 x 24F MPO to 12x LC duplex	Front ports	Rear port	Material	Dimension(mm)
	12x LC duplex (24 LC)	1 x MPO-24	ABS	152*101*33

1 x 16F MPO to 12x LC duplex	Front ports	Rear port	Material	Dimension(mm)
	8x LC duplex (16 LC)	1 x MPO-16	ABS	152*101*33

2 x 12F MPO to 12x LC duplex	Front ports	Rear port	Material	Dimension(mm)
	12x LC duplex (24 LC)	2 x MPO-12	ABS	152*101*33

3 x 8F MPO to 12x LC duplex	Front ports	Rear port	Material	Dimension(mm)
	12x LC duplex (24 LC)	3 x MPO-8	ABS	152*101*33

Blank plate	Front ports	Rear port	Material	Dimension(mm)
	/	/	ABS	101*33

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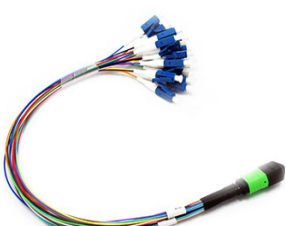
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Other Accessories

8F MPO-LC 0.9mm fanout 30cm	End A	End B	Optical Performance
	1x8F MPO&MTP (Male) with Pin	8x LC simplex 0.9 connectors	Standard MPO IL<0.5dB Super low loss MPO IL<0.35dB LC 's IL<0.3dB

12F MPO-LC 0.9mm fanout 30cm	End A	End B	Optical Performance
	1x12F or 16F MPO&MTP(Male) with Pin	12x LC simplex 0.9 connectors	Standard MPO IL<0.5dB Super low loss MPO IL<0.35dB LC 's IL<0.3dB

24F MPO-LC 0.9mm fanout 30cm	End A	End B	Optical Performance
	1x24F MPO&MTP (Male) with Pin	24x LC simplex 0.9 connectors	Standard MPO IL<0.5dB Super low loss MPO IL<0.35dB LC 's IL<0.3dB

MPO Adapter	Keyway	Footprint	Insertion Loss	Color
	Opposed (Up-Down) Aligned (Up-Up)	MPO/MTP standard	≤0.2dB	Black

LC DX Reduced flange Adapter	Keyway	Footprint	Insertion	Color
	Aligned (Up-Up)	SC Footprint	≤0.2dB	SM:BLUE OM3:AQUA OM4:MAGENTA OM5:LIME GREEN

Available for Key up-key down and Key up-key

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Order Index

Unloaded patch panel

Part no.	Products Details
FHD4F3-12	3U FHD MPO/MTP-LC 288F Fixed Rack mounted Chassis-12 cassettes modular Design 2 CRS Material
FHD4F4-12	3U FHD MPO/MTP-LC 288F Fixed Rack mounted Chassis-12 cassettes modular Design 2 Aluminum alloy Material

Full loaded MPO/MTP-LC Cassette

Cassette	Material	MPO adapter	LC adapter	Adapter Port	MPO/MTP Quality level	Fiber mode
FHD3S0- (Blank plate)	1-Black Color	0-unloaded	0-unloaded	0-(Blank plate)	0-Unloaded	0- Unloaded
FHD3S1- Cassette	2-Transparent	1-Opposed (Up-Down)	1-LC Standard Quad no flange	1-(1xMPO- 4xLC DX))	1-Standard loss MPO Male Senko	1- G657A1
			2-LC DX no flange adapter -SC footprint	2 -(1xMPO- 6xLC DX)	2-Super low loss MPO Male Senko	2-G657A2/B2
		2-Aligned (Up-Up)	3-LC DX with flange adapter -SC footprint	3 -(1xMPO- 12xLC DX)	3-Standard loss MTP Male	3-G657B3
				4- (2xMPO- 12xLC DX)	4-Super low loss Elite MTP Male	4-BIF OM1
				5- (3xMPO- 12xLC DX)	5-Standard loss MPO Male OMC	5-BIF OM2
					6-Super low loss MPO Male OMC	6-BIF OM3
						7-BIF OM4
						8-BIF OM5

For Example: FHD3S1-1-2-2-3-1-1