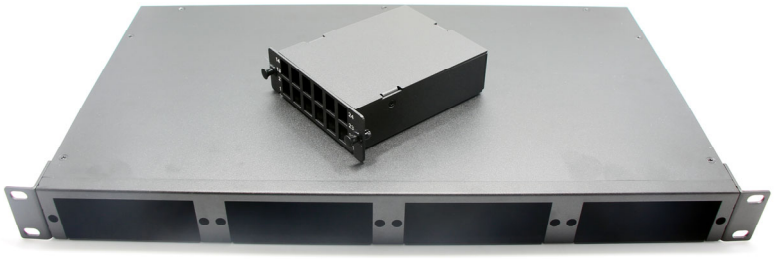
FHD 4 SLOTS MPO-LC PATCH PANEL

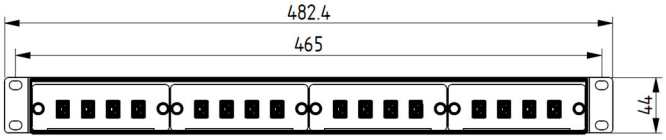
1U 19’ 96F CHASSIS LOADING WITH 4XMPO-LC CASSETTES

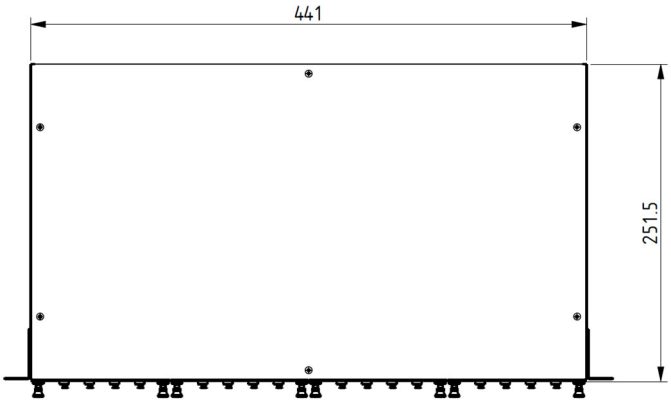
Description

The 1U MPO-LC Chassis is a high-density, 19-inch rack-mount fiber distribution chassis designed for data center, enterprise and telecommunication applications. It occupies one rack unit (1U) of a standard 19-inch rack and provides four (4) MPO-LC module slots, each accepting one standard MPO-LC cassette module or adapter panel. With four 24F cassettes installed, the chassis manages up to 96 fibers and 96 LC ports in a single rack unit.

The chassis converts high-density MPO/MTP trunk connections on the rear into individual LC duplex patch connections on the front. It enables efficient break-out, patching and management of high-fiber-count backbone links, such as those used in 40G/100G/200G/400G networks, while keeping a small footprint and easy front access for moves, adds and changes (MACs).







Technical Specifications

Product name	FHD 1U 96F MPO&MTP-LC Standard Fixed rack mount Patch panel-4 Cassette modules design	Part No.	**FHD2F1-4** (CRS Cold rolled steel) **FHD2F2-4** (Aluminum alloy)
Enclosure Type	19’ Rack Mountable	Fiber Count	Max.96 Fibers
Installation	Standard EIA 19" Rack	Material	CRS Cold rolled steel or Aluminum alloy
Compliant	TIA/EIA-568-C.3	Dimensions (HxWxD)	482.4mm*251.5mm*1U

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MPO-LC Module Cassette

1 x 8F MPO to 4x LC duplex	Front ports	Rear port	Material	Dimension(mm)
	4x LC duplex (12 LC)	1 x MPO-12	CRS Cold rolled steel or Aluminum alloy	109*118*36.5

1 x 12F MPO to 6x LC duplex	Front ports	Rear port	Material	Dimension(mm)
	6x LC duplex (12 LC)	1 x MPO-12	CRS Cold rolled steel or Aluminum alloy	109*118*36.5

1 x 24F MPO to 12x LC duplex	Front ports	Rear port	Material	Dimension(mm)
	12x LC duplex (12 LC)	1 x MPO-12&24	CRS Cold rolled steel or Aluminum alloy	109*118*36.5

2x12F MPO to 12x LC duplex	Front ports	Rear port	Material	Dimension(mm)
	12x LC duplex (24 LC)	2 x MPO-12&24	CRS Cold rolled steel or Aluminum alloy	109*118*36.5

3 x 12F MPO to 6x LC Quad	Front ports	Rear port	Material	Dimension(mm)
	6x LC Quad (24 LC)	3 x MPO-12&24	CRS Cold rolled steel or Aluminum alloy	109*118*36.5

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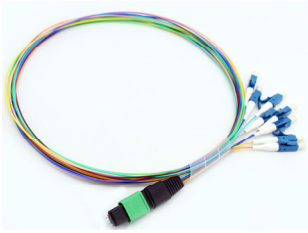
1U 19’ 96F CHASSIS LOADING WITH 4XMPO-LC CASSETTES

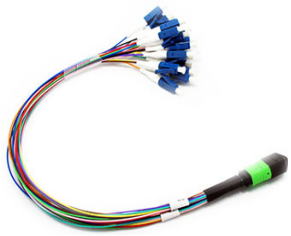
MPO-LC Module Cassette

Blank plate	Front ports	Rear port	Material	Dimension(mm)
	/	/	CRS Cold rolled steel or Aluminum alloy	109*36.5

Other Accessories

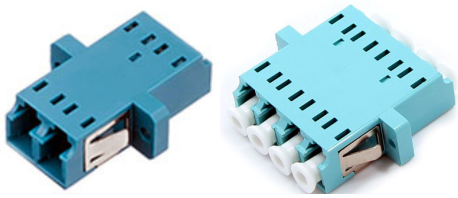
8F MPO-LC 0.9mm fanout 30cm	End A	End B	Optical Performance
	1x8F MPO&MTP (Male) with Pin	8x LC simplex 0.9 connect-ors	Standard MPO IL<0.5dB Super low loss MPO IL<0.35dB LC ‘s IL<0.3dB

12F MPO-LC 0.9mm fanout 30cm	End A	End B	Optical Performance
	1x12F MPO&MTP (Male) with Pin	12x LC sim-plex 0.9 con-nectors	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 sim-plex 0.9 con-nectors	Standard MPO IL<0.5dB Super low loss MPO IL<0.35dB LC ‘s IL<0.3dB

MPO Adapter	Optical Performance
	IL<0.2dB

Available for Key up-key down and Key up– key up. Available for Full and reduced flange

LC DX &Quad Adapter	Optical Performance
	IL<0.2dB

Available for SM Blue, MM beige, OM3 Aqua, OM4 Magenta. Available for Full and reduced flange

Order Index

Unloaded patch panel

Part no.	-	Products Details
FHD2F1-4		1U FHD MPO/MTP-LC 96F Full cover Fixed Rack mounted Patch panel-4 cassettes CRS Material
FHD2F2-4		1U FHD MPO/MTP-LC 96F Full cover Fixed Rack mounted Patch panel-4 cassettes Aluminum alloy Material

Full loaded MPO/MTP-LC Cassette

Cassette	-	Material	-	MPO adapter	-	LC adapter	-	Adapter Port	-	MPO/MTP Quality level	-	Fiber mode
FHD2F0-(Blank plate)		1-CRS (SPCC)		0-unloaded		0-unloaded		0-(Blank plate)		0-Unloaded		0– Unloaded
FHD2F1-Cassette		2-Aluminum alloy		1-Opposed (Up-Down)		1-LC Standard Quad no flange		1-(1xMPO-4xLC DX))		1-Standard loss MPO Male Senko		1– G657A1
				2-Aligned (Up-Up)		2-LC DX no flange adapter -SC footprint		2 -(1xMPO-6xLC DX)		2-Super low loss MPO Male Senko		2-G657A2/B2
						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- (3xMPO-6xLC QD)		6-Super low loss MPO Male OMC		6-BIF OM3
								7- (3xMPO-9xLC QD)				7-BIF OM4
												8-BIF OM5

For Example: FHD2F1-1-2-2-3-1-1