



Data-Sheet

High Density (HD) ODF Patch Panel (Enclosure)

JTOPTICS® High Density Patch panel (ODF) is made of CRS Cold rolled steel, Designed for 19' rack-mount cabinet. Rack mounted holds up to 3 pcs Fiber Adapter Panels or 4 pcs of HD MPO LC Cassette. It provides high density flexible system for managing fiber terminations, connections, and patching in datacenter application to maximizing rack space utilization and minimizing floor space.

JTOPTICS HD MPO Patch Panel are used for data center MDA, IDA or HAD cabling management which can be full-loaded with pre-terminated MPO cassette modules.



1U, 96 Fiber Rack Mount High Density Fiber Enclosure with Glass Cover, Hold Upto 4 HD LGX Cassettes
JTMPFDSF1

3U, 288 Fiber Rack Mount High Density Fiber Enclosure with Glass Cover, Hold Up-to 12 HD LGX Cassettes

JTMPFDSF3



1U, 96 Fiber Rack Mount High Density Fiber Enclosure, Hold Up-to 4 HD LGX Cassettes

JTMPDHF1



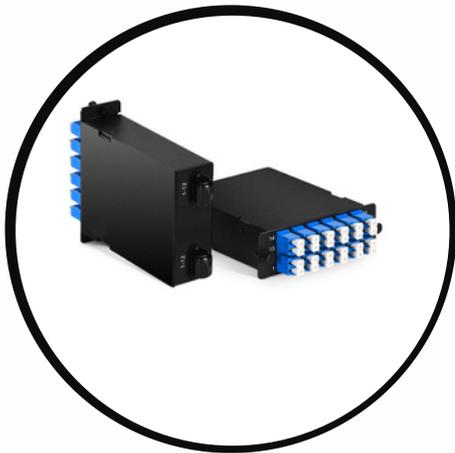
- Matching for HD series cassettes.
- Adjustable mounting brackets.
- Mount to Standard EIA 19" Rack mountable
- Provides the high levels of density and serviceability.
- Maintain Proper Bend Radius to Eliminate Cable Stress
- Removable top cover, hinged plexi-glass door
- Side patch cord exit
- RoHS, REACH, SvHC compliant
- Operating Temperature: -40°C to 70°C

Technical Specifications

Description	1U, 96 Fiber Rack Mount High Density Fiber Enclosure With Glass Cover, Hold Upto 4 HD LGX Cassettes	3U, 288 Fiber Rack Mount High Density Fiber Enclosure With Glass Cover, Hold Upto 12 HD LGX Cassettes	1U, 96 Fiber Rack Mount High Density Fiber Enclosure, Hold Upto 4 HD LGX Cassettes
Part Code	JTMPFDSF1	JTMPFDSF3	JTMPFDHF1
Height	1U	3U	1U
IP Rating	IP20	IP20	IP20
Material	CRS Cold rolled steel	CRS Cold rolled steel	1mm SPCC (Black Coating)
Capacity of Fiber	96	288	96
Loaded	Unloaded	Unloaded	Unloaded
Front Door	Glass, UL 94V-2	Glass, UL 94V-2	Not Available
Suitable Cassette	High Density (HD) Cassette	High Density (HD) Cassette	High Density (HD) Cassette
Net weight	2.2kg	3.2kg	2.2kg
Operating Temp Range	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C
Cable Entry 20mm	4	6	4
Material coating	Electrostatic powder coating	Electrostatic powder coating	Electrostatic powder coating
Dimension	482.6mmx455mmx44mm	482.6mmx455mmx133mm	430mmx281.9mmx44mm
Designed in accordance with	TIA/EIA 568.C	TIA/EIA 568.C	TIA/EIA 568.C
Compliance	RoHS, Reach/SVHC	RoHS, Reach/SVHC	RoHS, Reach/SVHC
Installation	Standard EIA 19" Rack	Standard EIA 19" Rack	Standard EIA 19" Rack
Mounting Type	Rack Mount	Rack Mount	Rack Mount
Applications	High Density Network, Data Center, Telecom	High Density Network, Data Center, Telecom	High Density Network, Data Center, Telecom
Warranty	5 Years	5 Years	5 Years

JTOPTICS® high density MPO cassette features one or two rear 12-fiber MPO ports connection and 12 or 24 LC ports in front. MPO module cassette is an enclosed unit that usually include fiber optic connectors LC connector plugged into fiber optic adapters on the front side module cassette and MPO connector plugged into the rear. JTOPTICS MPO Cassette Modules reduce the overall cost and setup time for complex high-density networking used in data center application.

- High density pre-terminated fiber optic system
- Complied to ANSI/TIA-568-C.3, IEEE 802.3ba and adheres to ANSI/TIA-942
- Ultra Low Insertion Loss and high return loss
- Aluminum alloy shell protect the inner fibers effectively.
- High-quality MPO connectors
- Universal Polarity design
- Pre-terminated Rear 12-Fiber MPO Adapter
- Pre-Terminated Front LC Adapters
- Pre-Installed MPO-LC Fan-Out Cable
- Compatible with High Density HD ODF



High Density (HD) Cassette (HD ODF), 2 x 12F Mpo (M) to 12 x LC DX Single Mode, Type B
JTMPM212MOSMLCPB2



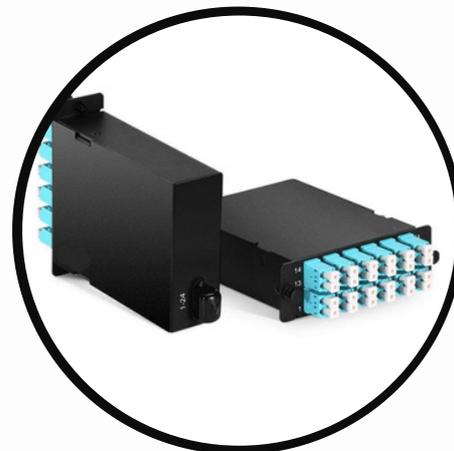
High Density (HD) Cassette (HD ODF), 2 x 12F Mpo (M) to 12 x LC DX, Multimode, Type B
JTMPM312MOSMLCPB2



High Density (HD) Cassette (HD ODF), 1 x 12F Mpo (M) to 6 x LC DX, Single Mode, Type B
JTMPM212MOSMLCPB



High Density (HD) Cassette (HD ODF), 1 x 24F Mpo (M) to 12 x LC DX Single Mode, Type A
JTMPM224MOSMLCPB



High Density (HD) Cassette (HD ODF), 1 x 24F Mpo (M) to 12 x LC DX, Multimode, Type A
JTMPM324MOSMLCPB



High Density (HD) Cassette (HD ODF), 1 x 12F Mpo (M) to 6 x LC DX, Multimode, Type B
JTMPM312MOSMLCPB

Technical Specifications

Description	High Density (HD) Cassette (HD ODF), 2 x 12F Mpo (M) to 12 x LC DX Single Mode, Type B	High Density (HD) Cassette (HD ODF), 2 x 12F Mpo (M) to 12 x LC DX, Multimode, Type B	High Density (HD) Cassette (HD ODF), 1 x 12F Mpo (M) to 6 x LC DX, Single Mode, Type B	High Density (HD) Cassette (HD ODF), 1 x 12F Mpo (M) to 6 x LC DX, Multimode, Type B	High Density (HD) Cassette (HD ODF), 1 x 24F Mpo (M) to 12 x LC DX Single Mode, Type A	High Density (HD) Cassette (HD ODF), 1 x 24F Mpo (M) to 12 x LC DX, Multimode, Type A
Part Code	JTMPM212MOSML CPB2	JTMPM312MOSML CPB2	JTMPS212MOSMLC PB	JTMPM312MOSML CPB	JTMPS224MOSML CPB	JTMPM324MOSML CPB
Rear Connector Type	MPO Male (12 Fiber) x 2	MPO Male (12 Fiber) x 2	MPO Male (12 Fiber)	MPO Male (12 Fiber)	MPO Male (24 Fiber)	MPO Male (24 Fiber)
MPO Connector IL	0.35dB Max	0.7dB Max	0.35dB Max	0.7dB Max	0.35dB Max	0.7dB Max
Wavelength	1310/1550nm	850/1300nm	1310/1550nm	850/1300nm	1310/1550nm	850/1300nm
MPO Connector RL	≥60dB	≥30dB	≥60dB	≥30dB	≥60dB	≥30dB
MPO Adapter	Key up to Key down	Key up to Key down	Key up to Key down	Key up to Key down	Key up to Key down	Key up to Key down
Fiber Mode	OS2 SMF 9/125μm	MM 50/125μm	OS2 SMF 9/125μm	MM 50/125μm	OS2 SMF 9/125μm	MM 50/125μm
Front Connector Type	12 X LC UPC Duplex	12 X LC PC Duplex	LC UPC Duplex	LC PC Duplex	LC UPC Duplex	LC PC Duplex
Suitable ODF	High Density (HD Series)	High Density (HD Series)	High Density (HD Series)	High Density (HD Series)	High Density (HD Series)	High Density (HD Series)
LC Connector IL	≤0.2dB	≤0.3dB	≤0.2dB	≤0.3dB	≤0.2dB	≤0.3dB
LC Connector RL	≥50dB	≥25dB	≥50dB	≥25dB	≥50dB	≥25dB
Storage Temp Range	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
Dimension	35x109x118mm	35x109x118mm	35x109x118mm	35x109x118mm	35x109x118mm	35x109x118mm
Operating Temp Range	-10°C to +70°C	-10°C to +70°C	-10°C to +70°C	-10°C to +70°C	-10°C to +70°C	-10°C to +70°C
Warranty	5 Years	5 Years	5 Years	5 Years	5 Years	5 Years

About JT

In the dynamic realm of technology and innovation, the emergence of **Jayani Technologies Limited** has been nothing short of a saga marked by ingenuity, resilience, and a steadfast commitment to excellence. Originating as Jayani Technologies LLP in 2011 in the vibrant city of Mumbai, India, the company has evolved into a trailblazer in its domain. This narrative unfolds against the backdrop of the company's expansion into Hong Kong, a strategic move signaling its intent to conquer new horizons.

Established in 2011, Jayani Technologies (**JTOPTICS**[®]) was conceived as a response to the evolving technological landscape, recognizing the need for cutting-edge solutions that marry innovation with reliability. The Mumbai headquarters became the crucible for the company's early endeavor, a melting pot of talent and vision that propelled Jayani Technologies into the forefront of its industry and emerged as a leading manufacturer and supplier of cutting-edge solutions in the fields of optical Fiber, data center, networking, and electric vehicle components.

From its inception, the company distinguished itself by its unwavering commitment to client satisfaction, a commitment that became the cornerstone of its success. Jayani Technologies quickly became synonymous with technological prowess and an unwavering dedication to delivering solutions that transcended conventional boundaries.

JTOPTICS[®] has developed and produced many active and passive interconnection and connectivity products suitable for different networks, aiming to become a one-stop device integration solution provider in the open optical network field, products include MPO Cables, AOC cable, passive DAC cable, optical transceivers, optical modules & subsystems, active & passive optical components, and high-density cabling products.

Vision

Our vision is to be recognized by clients as trustful a trusted business partner whose mission is to help our clients by offering state-of-the-art products and services.

Mission

Our mission is to catalyze the success of its clients by providing unparalleled technological solutions. The company envisions itself as a catalyst for positive change, aiming to reshape industries through innovation, integrity, and a relentless pursuit of excellence.

Our Clients



ciena

ADVA[™]
Optical Networking

colt

CISCO

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MAVENIR



इसरो isro

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NETWORKS

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NETWORKS

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