



Data-Sheet

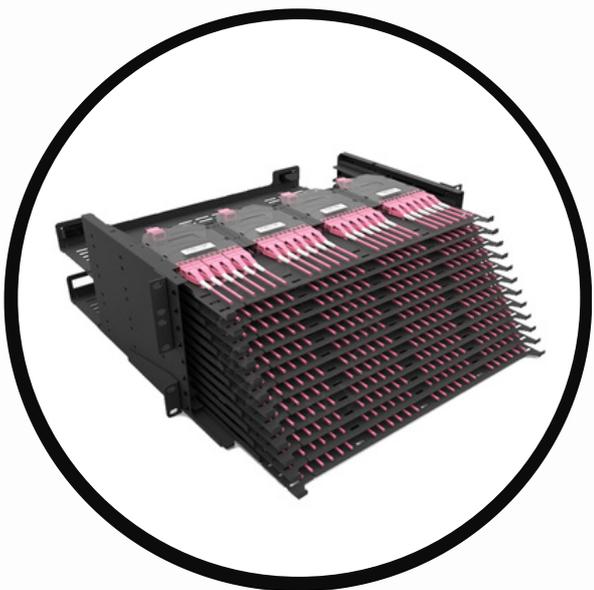
Ultra-High Density (UHD) ODF (Fiber Enclosure)

JTOPTICS® Ultra High-Density rack mount enclosure, which can house up to 12 Pcs (JTMPFDHX1), 12 Pcs (JTMPFDHX2) and 48 Pcs (JTMPFDHX4) UHD series MPO modular cassettes or fiber adapter panels. It provides high density flexible system for managing fiber terminations, connections, and patching in data center application to maximizing rack space utilization and minimizing floor space. JTOPTICS® UHD fiber optic enclosure houses, organizes, manages, and protects fiber optic cable terminations. UHD series is made of aluminum alloy, Designed for 19" rack-mount cabinet.



144 Fiber 1U Rack Mount Ultra High Density (UHD)
Modular ODF, Hold Upto 12 UHD Cassettes
JTMPFDHX1

288 Fiber 2U Rack Mount Ultra High Density
(UHD) Modular ODF, Hold Upto 24 UHD Cassettes
JTMPFDHX2



576 Fiber 4U Rack Mount Ultra High Density (UHD)
Modular ODF, Hold Upto 48 UHD Cassettes
JTMPFDHX4

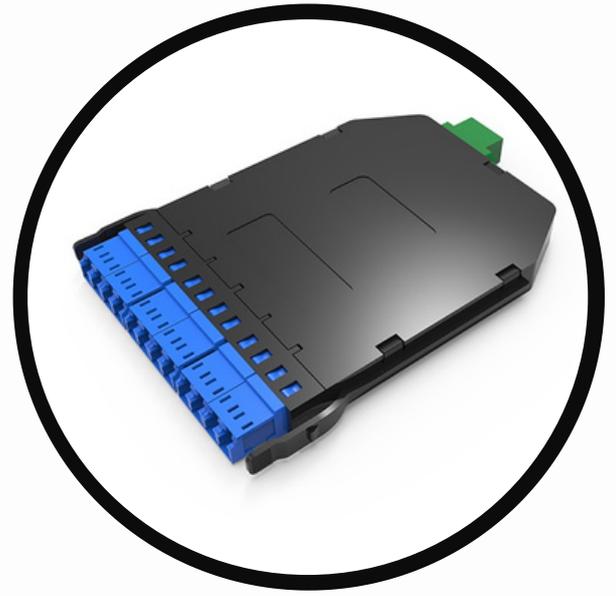
- Up to 144 fibers in 1U space, 288 fibers in 2U space and 576 in 4U space.
- Matching for UHD series cassettes.
- Adjustable mounting brackets.
- Mount to Standard EIA 19" Rack mountable
- Provides the highest levels of density and serviceability.
- Maintain Proper Bend Radius to Eliminate Cable Stress
- Transparent Doors Offer Easier Access and Visibility.

Technical Specifications

Description	144 Fiber 1U Rack Mount Ultra High Density (UHD) Modular ODF, Hold Upto 12 UHD Cassettes	288 Fiber 2U Rack Mount Ultra High Density (UHD) Modular ODF, Hold Upto 24 UHD Cassettes	576 Fiber 4U Rack Mount Ultra High Density (UHD) Modular ODF, Hold Upto 48 UHD Cassettes
Part Code	JTMPFDHX1	JTMPFDHX2	JTMPFDHX4
Suitable Cassette	Ultra High Density (UHD) Cassette	Ultra High Density (UHD) Cassette	Ultra High Density (UHD) Cassette
Cassette Capacity	12	24	48
Height	1U	2U	4U
IP Rating	IP20	IP20	IP20
Material	Aluminum	Aluminum	Aluminum
Capacity of Fiber	144	288	576
Net weight	2.0kg	3.6kg	6.6kg
Operating Temp Range	-40°C to +60°C	-40°C to +60°C	-40°C to +60°C
Cable Entry 20mm	4	6	12
Material coating	Electrostatic powder coating	Electrostatic powder coating	Electrostatic powder coating
Dimension	482.6mmx455mmx44mm	482.6mmx455mmx89mm	482.6mmx455mmx177mm
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 Mountable	Rack Mountable	Rack Mountable
Door Type	Transparent, Removable	Transparent, Removable	Transparent, Removable

JTOPTICS® ultra high density MPO cassette features one rear 12-fiber MPO ports connection and 12 LC ports in front. This MPO fiber cassette is designed to upgrade existing LC links to LR4 parallel optics without wasting any of the fibers inside the cable, and it is ideal to deploy a Base-8 connectivity solution for use in main, horizontal and equipment distribution areas. JTOPTICS MPO Cassette Modules reduce the overall cost and setup time for complex high-density networking used in data center application.

- Ultra-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 suitable for Type-B
- Pre-terminated Rear 12-Fiber MPO Adapter
- Pre-Terminated Front Single Mode LC Adapters
- Pre-Installed Single Mode MPO-LC Fan-Out Cable
- Compatible with Ultra High Density UHD ODF



UHD Cassette 12 Fibers Mpo Male to 6 x LC DX Single Mode, for Ultra High Density ODF
JTMPS212MOSMLCPA

JTOPTICS® Ultra high density MPO cassette features one rear 12-fiber MPO ports connection and 12 LC ports in front. This MPO fiber cassette is designed to upgrade existing LC links to SR4 parallel optics without wasting any of the fibers inside the cable, and it is ideal to deploy a Base-8 connectivity solution for use in main, horizontal and equipment distribution areas. JTOPTICS MPO Cassette Modules reduce the overall cost and setup time for complex high-density networking used in data center application.

- Ultra-High density pre-terminated fiber optic system
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- High-quality MPO connectors
- Universal Polarity design suitable for Type-B
- Pre-terminated Rear 12-Fiber MPO Adapter
- Pre-Terminated Front Multi-Mode LC Adapters
- Pre-Installed Multi-Mode MPO-LC Fan-Out Cable
- Compatible with Ultra High Density UHD ODF



UHD Cassette 12 Fibers Mpo Male to 6 x Lc Dx Multimode, for Ultra High Density ODF
JTMPM312MOSMLCPA

Technical Specifications

Description	UHD Cassette 12 Fibers Mpo Male to 6 x Lc Dx Multimode, for Ultra High Density ODF	UHD Cassette 12 Fibers Mpo Male to 6 x LC DX Single Mode, for Ultra High Density ODF
Part Code	JTMPM312MOSMLCPA	JTMPS212MOSMLCPA
Rear Connector Type	1 X MPO (12 Fiber)	1 X MPO (12 Fiber)
MPO Connector IL	0.7dB Max	0.35dB Max
Wavelength	850/1300nm	1310/1550nm
MPO Connector RL	≥30dB	≥50dB
MPO Adapter	Key up to Key down	Key up to Key down
Fiber Mode	MM 50/125μm	SM 9/125μm
Front Connector Type	6 X LC PC Duplex	6 X LC UPC Duplex
Dimension	11.3 x 92 x 171.2 mm	11.3 x 92 x 171.2 mm
LC Connector IL	≤0.3dB	≤0.3dB
LC Connector RL	≥25dB	≥55dB
Storage Temp Range	-40°C to +85°C	-40°C to +85°C
Operating Temp Range	-10°C to +70°C	-10°C to +70°C
Suitable ODF	Ultra High Density (UHD Series)	Ultra High Density (UHD Series)

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

Coriant

MAVENIR



इसरो isro

JUNIPER
NETWORKS

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NETWORKS

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HITACHI

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NTPC

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LARSEN & TOUBRO



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