4U Rack Mount MPO-MTP Modular High Density Fiber Patch Panel
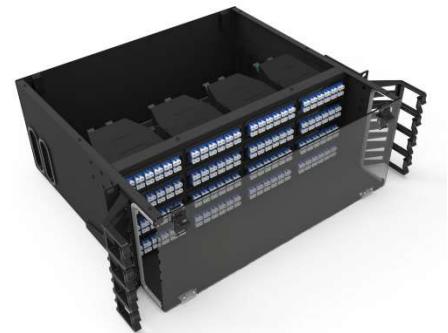
Features and Benefits

- **Applications:**

• Data Centers: Optimized for high-density fiber deployments, ensuring minimal signal loss and efficient space utilization, include backbone-network connections, cross-connects, and interconnects in structured cabling systems compliant with TIA-942 and EN 50173-5 standards

• Telecommunications: Used for trunk fiber termination and cross-connect applications in central offices or telecom rooms. The enclosures facilitate plug-and-play performance with pre-terminated MPO/MTP cassettes, reducing installation time and improving reliability

• Enterprise Networks: Enhances structured cabling infrastructure in large buildings or campus backbones. The enclosures support modular upgrades, allowing flexibility in mixing single-mode and multimode cassettes based on network

- **Key Features:**

• The 4U UHD Modular design supports HD MTP/MPO-LC cassettes for optimal organization and easy patching.

• Designed for 40G/100G networks with low insertion loss.

• Pre-terminated MPO/MTP cassettes eliminate on-site splicing, enabling quick network rollouts.

• The tool-less cassette design simplifies maintenance and reconfiguration for future upgrades

• Quick deployments in enterprise networks or data centers.

• Supports multiple applications, including MPO/MTPto LC breakout and high-density trunking..

• Supports up to 384F cores 192 LC Duplex in 4U space.

• Cassettes: MPO Connector /LC Adapter and MM ClearCurve® & SM SMF-28® Ultra Fiber.

• Support Migration from 10G to 40G/100G Ethernet and Beyond.

- **Standard:**

• EIA 19" rack

• TIA942-A, TIA 568C.3

• GR-1435-CORE

• RoHS

Physical Specifications

- **Enclosure Structure:**

Enclosure Type: 4U UHD MPO/MTP-LC Patch Panel

Capacity: MPO/MTP 2×12F / 1×24F – 16 Modular Cassettes

Cable Entry Direction: Rear Entry

Material: CRS Cold-Rolled Steel

Dimension: 177Hx480Wx426D mm

Color: Black

- **MPO/MTP® Cassette:**

Modular Type: Pre-Terminated 24/12C x 12 LC (Duplex) Ports MPO/MTP Cassette

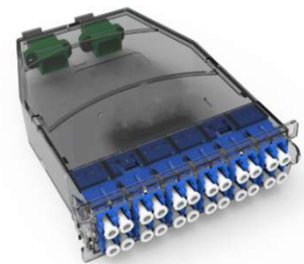**Fiber Type:** Single-mode(G.652.D/G.657.A1)/Multimode (OM3/OM4/OM5)

Adapter (Front): LC (Duplex)

Adapter (Rear): MPO/MTP Female (2×12F)/(1×24F)

Polarity: Type A & Type B

Insertion Loss: MPO/MTP ≤0.35dB, LC≤0.2dB

Return Loss: MPO/MTP ≥20dB, LC≥30dB (UPC polish)

Ordering Information

1U Enclosure Part No.	OM3 2 x12 Fibers 12/x LC Duplex, MPO/MTP Cassette	OM3 1 x 24 Fibers 12 x LC Duplex, MPO/MTP Cassette	OM4 2 x12 Fibers 12/x LC Duplex, MPO/MTP Cassette	OM4 1 x 24 Fibers 12 x LC Duplex, MPO/MTP Cassette	OS2 2 x 12 Fibers 12 x LC Duplex, MPO/MTP Cassette	OS2 1 x 24 Fibers 12 x LC Duplex, MPO/MTP Cassette
CS-RMCM4U16M-XX	CS-MPO-M3-DLC212 CS-MTP-M3-DLC212	CS-MPO-M3-DLC124 CS-MTP-M3-DLC124	CS-MPO-M4-DLC212 CS-MTP-M4-DLC212	CS-MPO-M4-DLC124 CS-MTP-M4-DLC124	CS-MPO-S2-DLC212 CS-MTP-S2-DLC212	CS-MPO-S2-DLC124 CS-MTP-S2-DLC124