

EUROLAN Panel MPO

1U 19"

Description

Our MPO-LC Breakout Panels are pre-terminated and designed to mount into 19" wide telecommunications racks allowing 96 fiber connections to be deployed in one rack unit (1U) without additional support infrastructure. This ensures efficient use of space, quick deployment, and the highest reliability for the lowest installed cost. This configuration is ideally suitable for 40G/100G networks.



Features

- Maximizes density with up to 96 fiber connections in 1U for efficient utilization of rack space.
- Allows for an easy upgrade path moving 40GbE to 4x 10GbE or 100GbE to 4x 25GbE connectivity.
- Provides reduced overall insertion loss with low channel to channel variability for improved channel link loss performance.
- Improved reliability and quick deployment to reduce installation time and cost.
- Removable cable management tray on the back, effectively manage trunk cables.

Application

Our MPO-LC Breakout Panels are used in high-density network applications as specified in the Data Center Cabling Standard TIA 942 for cross connects in main distribution, horizontal distribution, and equipment distribution areas.

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Product Specifications

I. Product Constructions

Fiber Count	96 Fibers
Fiber Mode	Single Mode: OS2 9/125µm Multimode: OM4 50/125µm
Front Connectivity	Single Mode: LC Quad adapters with UPC polish Multimode: LC Quad adapters with UPC polish
Rear Connectivity	Single Mode: MTP adapters with male ferrules (pins) and APC polish Multimode: MTP adapters with male ferrules (pins) and UPC polish
Material	SPCC (Black Coating)
Dimension (HxWxD)	1.73"x19"x10.3" (44x482x261.2mm)

II. Performance Properties

Front Adapter Type	LC Quad
Number of Front Adapters	24
Insertion Loss	Single Mode: Per Channel ≤ 0.2 dB Multimode: Per Channel ≤ 0.2 dB
Return Loss	Single Mode: Per Channel ≥ 50 dB Multimode: Per Channel ≥ 30 dB
Material of sleeve	Zirconia Ceramic

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III. Performance Properties

Rear Adapter Type	MTP-8 (Key up - Key down)
Number of Rear Adapters	12
Insertion Loss	Single Mode: Ultra low IL 0.35dB max. Multimode: Ultra low IL 0.35dB max.
Return Loss	Single Mode: Per channel ≥20dB Multimode: Per channel ≥60dB
Connector Durability	US Conec MTP® brand adapters meets TIA/EIA 568.C.3A.4.9 Durability: 500 mating cycles

IV. Environmental Characteristics

Operating Temperature	-20 °C to 60 °C
Storage Temperature	-40 °C to 70 °C
Installation temperature	0 °C to 60 °C

Standards Compliance

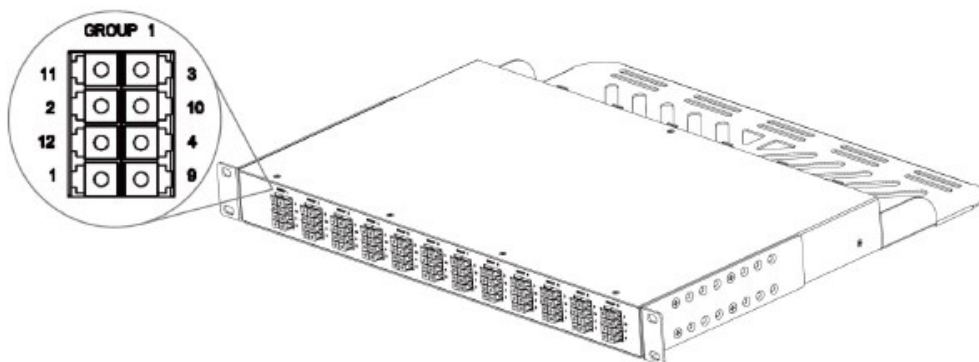
- ISO9001 Certificate
- RoHS Compliant

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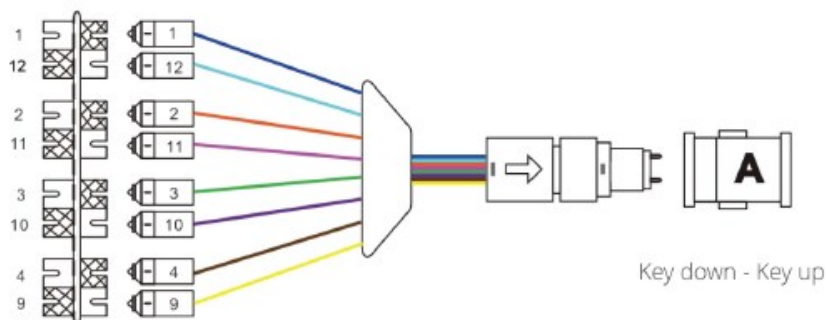
Polarity Illustration

Silk label on each product includes port identification and group number for quick identification and 100% traceability.



The internal Base-8 wiring of MTP-LC breakout panel ensures the correct fiber polarity throughout the entire system.

*The connection of 1 Group is shown.



Note: The 12 Groups are of the same connection sequence.