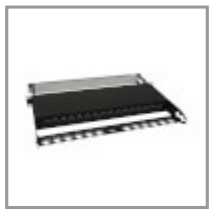
Spine-Leaf MPO Panel with Key-Up to Key-Up MTP/MPO Adapter - 12F MTP/MPO-PC M/M, 8F OM4 Multimode, 16 x 16 Ports, 1U

MODEL NUMBER: **N48LSM-16X16**







Highlights

- 1U patch panel designed for cost-effective spine and leaf cabling
- Replaces standard MTP/MPO-to-LC cross-connect to reduce troubleshooting and labor
- All-in-one solution for 50/125 multimode OM4 8-fiber network cabling
- Front and rear wire managers help organize cables and eliminate clutter
- Mounts easily into 1U of space in your EIA-standard 19 in. rack or cabinet

Package Includes

- N48LSM-16X16 Spine-Leaf MPO Panel, 16 x 16 Ports, 1U
- Owner's manual

1U network panel replaces a standard MTP/MPO-to-LC cross-connect with MTP/MPO Elite ports to eliminate rack clutter.

Features

1U Spine Leaf Panel Simplifies Your Rack Connections and Helps You Keep Costs Down
This network patch panel is designed for spine-and-leaf architecture, which replaces a standard MTP/MPO-to-LC cross-connect with MTP/MPO ports and helps eliminate significant rack clutter. This data center network technology provides high-bandwidth, low-latency, non-blocking server-to-server connectivity, which saves you money, simplifies your rack cabling and improves network performance.

All-in-One Solution Consists of 2 Switch Layers: Spine and Leaf
The groundbreaking N48LSM-16X16 contains a complete spine leaf mesh topology, resulting in less labor, less troubleshooting and fewer errors. It features spine ports in the front that mate with a spine switch, as well as leaf ports in the rear that mate with a leaf switch. No LC-to-LC patching, double cassette or user cable shuffling is required with spine-and-leaf architecture, which improves link performance.

Easy to Mount in Just 1U of Rack Space
This aluminum panel with key-up to key-up MTP/MPO adapter features 32 12-fiber Elite MTP/MPO-PC male ports: 16 front spine ports and 16 rear leaf ports. The N48LSM-16X16 mounts into 1U of space in an EIA-standard 19-inch rack. Cable managers in both front and rear help organize cabling and eliminate unsightly clutter.

Specifications

OVERVIEW	
UPC Code	037332268761
Product Type	Spine-Leaf
Technology	Fiber
Optical Mode	OM4

Panel Dimensions	17.56" X 1.73" X 14.76"
Mode Type	Multimode
Firmware / Software Docs	
Offset Ports	No
CONNECTIONS	
Number of Ports	32
Side A - Connector 1	(16) 12-STRAND MTP/MPO (MALE)
Side B - Connector 1	(16) 12-STRAND MTP/MPO (MALE)
Endface Polish	PC
PHYSICAL	
Primary Form Factor	Rackmount
Color	Black
Rack Height	1U
Connector Color	Gray
Clad Diameter (microns)	125
Core Diameter (microns)	50
Number of Fibers	8
Total Number of Ports	32
Shipping Dimensions (hwd / in.)	3.60 x 15.00 x 20.90
Shipping Weight (lbs.)	7.60
Unit Dimensions (hwd / in.)	1.730 x 14.760 x 18.970
Panel Style	Spine-Leaf
ENVIRONMENTAL	
Operating Temperature Range	-4° to 140°F (-20° to 60°C)
Storage Temperature Range	-4° to 140°F (-20° to 60°C)
Operating Humidity Range	5% to 85% RH, Non-Condensing
Storage Humidity Range	5% to 85% RH, Non-Condensing
COMMUNICATIONS	
Network Compatibility	100 Gbps; 40 Gbps; 400 Gbps
Wavelength	1300nm; 850nm
Attenuation @ 850NM	3.0 dB / km
Attenuation @ 1300NM	1.0 dB / km
Insertion Loss	0.35 dB

FEATURES & SPECIFICATIONS	
All-in-One Kit	Yes
Network Speed Support	100 Gbps; 40 Gbps; 400 Gbps
Push/Pull Tabs	No
Breakout	No
Trunk	No
Numbered Ports	Yes
Keystone Jacks	No
Built-in Cables	Yes
Color-Coded Connections	No
EIA/TIA 2/32 Spacing	No
Labeled Ports	Yes
Optical Port	MPO/MTP
Down-Angled Ports	No
STANDARDS & COMPLIANCE	
Product Compliance	RoHS; CE (Europe); REACH
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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