

Spine-Leaf MPO Panel with Key-Up to Key-Up MTP/MPO Adapter - 12F MTP/MPO-PC M/M, 8F OM4 Multimode, 32 x 32 Ports, 1U

MODEL NUMBER: N48LSM-32X32



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-32X32 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 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 64 12-fiber Elite MTP/MPO-PC male ports: 32 front spine ports and 32 rear leaf ports. The N48LSM-32X32 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.

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-32X32 Spine-Leaf MPO Panel, 32 x 32 Ports, 1U
- Owner's manual

Specifications

| OVERVIEW | |
|--------------|--------------|
| UPC Code | 037332268778 |
| Product Type | Spine-Leaf |
| Technology | Fiber |
| Optical Mode | OM4 |



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| | |
|---------------------------------|------------------------------|
| Panel Dimensions | 17.56" X 1.73" X 14.76" |
| Mode Type | Multimode |
| Firmware / Software Docs | |
| Offset Ports | No |
| CONNECTIONS | |
| Number of Ports | 64 |
| Side A - Connector 1 | (32) 12F MTP/MPO (MALE) |
| Side B - Connector 1 | (32) 12F 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 | 64 |
| Shipping Dimensions (hwd / in.) | 3.50 x 15.00 x 21.00 |
| Shipping Weight (lbs.) | 8.10 |
| 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 |



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| 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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