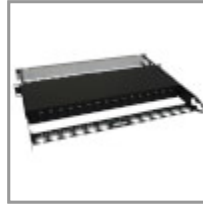


Spine-Leaf MPO Panel with Key-Up to Key-Down MTP/MPO Adapter - 12F MTP/MPO-APC M/M, 8F OS2 Singlemode, 16 x 16 Ports, 1U

MODEL NUMBER: N48LSS-16X16



1U network panel replaces a standard MTP/MPO-to-LC cross-connect with MTP/MPO 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 N48LSS-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-down MTP/MPO adapter features 32 12-fiber MTP/MPO-APC male ports: 16 front spine ports and 16 rear leaf ports. The N48LSS-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 | 037332268785 |
| Product Type | Spine-Leaf |
| Technology | Fiber |

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 9/125 singlemode OS2 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

- N48LSS-16X16 Spine-Leaf MPO Panel, 16 x 16 Ports, 1U
- Owner's manual

| | |
|---------------------------------|-------------------------------|
| Optical Mode | OS2 |
| Panel Dimensions | 17.56" X 1.73" X 14.76" |
| Fiber Panel Ports | (32) MTP/MPO |
| Mode Type | Singlemode |
| Firmware / Software Docs | |
| Offset Ports | No |
| PHYSICAL | |
| Primary Form Factor | Rackmount |
| Color | Black |
| Rack Height | 1U |
| Connector Color | Black |
| Clad Diameter (microns) | 125 |
| Core Diameter (microns) | 9 |
| Number of Fibers | 8 |
| Total Number of Ports | 32 |
| Shipping Dimensions (hwd / in.) | 3.60 x 14.90 x 20.90 |
| Shipping Weight (lbs.) | 7.50 |
| 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 | 1310nm; 1550nm |
| Attenuation @ 1310NM | 0.36 dB / km |
| Attenuation @ 1550NM | 0.22 dB / km |
| Insertion Loss | 0.70 dB |
| 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 | APC |
| 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 |