Spine-Leaf MPO Panel with Key-Up to Key-Down MTP/MPO Adapter - 12F MTP/MPO-APC M/M, 8F OS2 Singlemode, 32 x 32 Ports, 1U

MODEL NUMBER: **N48LSS-32X32**







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

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-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-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 64 12-fiber MTP/MPO-APC male ports: 32 front spine ports and 32 rear leaf ports. The N48LSS-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.

Specifications

OVERVIEW	
UPC Code	037332268792
Product Type	Spine-Leaf
Technology	Fiber
Optical Mode	OS2

Panel Dimensions	17.56" X 1.73" X 14.76"
Mode Type	Singlemode
Firmware / Software Docs	
Offset Ports	No
CONNECTIONS	
Number of Ports	64
Side A - Connector 1	(32) 12-STRAND MTP/MPO (MALE)
Side B - Connector 1	(32) 12-STRAND MTP/MPO (MALE)
Endface Polish	APC
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	64
Shipping Dimensions (hwd / in.)	3.50 x 15.10 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	1310nm; 1550nm
Attenuation @ 1310NM	0.36 dB / km
Attenuation @ 1550NM	0.22 dB / km
Insertion Loss	0.70 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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