Simplify spine-leaf architecture in data centers

New panels require no LC-to-LC patching, double cassette or user cable shuffling.

Perfect for:

Data centers with spine-leaf fiber infrastructure.

Spend less time and money managing your fiber connections. These new patch panels replace standard MTP/MPO-to-LC cross-connects with MTP/MPO ports to reduce manual connection errors and improve network performance.

Four easy-to-install singlemode and multimode 1U patch panels feature 16 x 16 or 32 x 32 spine/leaf ports in a mesh topology that cuts down on the number of connections required. With fewer connections and the included cable managers, they significantly reduce cable clutter, installation time and the overall cost of the installation.

Key benefits

SIMPLIFIED SPINE-AND-LEAF NETWORK CONNECTIONS

- 1U key-up to key-down singlemode and key-up to key-up multimode patch panels eliminate manual cross-connections, LC-to-LC patching, cassettes and cable shuffling.

- 16 or 32 front MPO ports mate with spine-layer switches. 16 or 32 rear MPO ports mate with leaf-layer switches.

REDUCED CABLE CLUTTER

- Network patch panels require fewer cables than MTP/MPO-to-LC cross-connections.

- Cable managers help organize crowded racks and reduce cable clutter.

IMPROVED NETWORK PERFORMANCE

- High-bandwidth, low-latency, non-blocking server-to-server connectivity boosts performance.

- Fewer connections result in more headroom and less insertion loss.

- Eliminating manual cross-connections reduces errors and drives efficiency.

- Fewer errors reduce the time and labor required for troubleshooting.

Feature focus

N48LSM-32X32 - Front View

N48LSM-32X32 - Rear View

A **Rack-Mount Aluminum Chassis**

1U panel mounts easily in EIA-standard data center server racks.

B **Spine Ports**

12-strand MPO ports mate with spine-layer switches.

C **Leaf Ports**

12-strand MPO ports mate with leaf-layer switches.
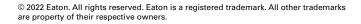
D **Fold-Down Cover**

Hinged cover adds protection for ports and includes a writing space for port labeling.

E **Cable Routing**

Front and rear cable managers reduce cable clutter.

SPECIFICATIONS

Model	Port Qty.	Port Type	Compatible Cabling Type	Network Compatibility	Form Factor	Dimensions (H x W x D)	Operating Temp. Range	Warranty
Singlemode Panels								
N48LSS-16X16	16 x 16	12-Strand MTP/ MPO-APC (M/M)	8-fiber OS2	100 Gbps; 40 Gbps; 400 Gbps	1U Rack Mount	1.73 x 17.56 x 14.76 in. (44 x 446 x 375 mm)	-4 to 140° F (-20 to 60° C)	Lifetime Limited Warranty
N48LSS-32X32	32 x 32	12-Strand MTP/ MPO-APC (M/M)	8-fiber OS2	100 Gbps; 40 Gbps; 400 Gbps	1U Rack Mount	1.73 x 17.56 x 14.76 in. (44 x 446 x 375 mm)	-4 to 140° F (-20 to 60° C)	Lifetime Limited Warranty
Multimode Panels								
N48LSM-16X16	16 x 16	12-Strand MTP/ MPO-PC (M/M)	8-fiber OM4	100 Gbps; 40 Gbps; 400 Gbps	1U Rack Mount	1.73 x 17.56 x 14.76 in. (44 x 446 x 375 mm)	-4 to 140° F (-20 to 60° C)	Lifetime Limited Warranty
N48LSM-32X32	32 x 32	12-Strand MTP/ MPO-PC (M/M)	8-fiber OM4	100 Gbps; 40 Gbps; 400 Gbps	1U Rack Mount	1.73 x 17.56 x 14.76 in. (44 x 446 x 375 mm)	-4 to 140° F (-20 to 60° C)	Lifetime Limited Warranty

CE   RoHS

Learn about our full line of network panels at tripplite.com.

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