50/125 Breakout Fiber Patch Panel, 40 GB to 10 GB, 15 MTP QSFP to 60 LC Duplex OM4 Multimode Ports, 1U

MODEL NUMBER: **N48K-15M8L60-B**

Highlights

- Recommended for QSFP fiber-based Ethernet switches
- Total of 15 QSFP fiber switch ports and 60 LC ports
- Base8 wiring uses all LC ports—no dead ports as in Base12
- Hardwired cassettes for 30% improvement in insertion loss
- Easily identifiable color-coded magenta OM4 cables

System Requirements

- Ethernet switch using multimode QSFP fiber transceivers

Package Includes

- N48K-15M8L60-B 50/125 Breakout Fiber Patch Panel

Description

The N48K-15M8L60-B 50/125 Breakout Fiber Patch Panel not only integrates equipment with 10G and 40G speeds, but also provides a simple, flexible path to 100G and 400G speeds in the future. The 1U chassis features five breakout cassettes. Each cassette contains 12 LC duplex ports and three built-in two-meter MTP multimode cables for a total of 15 QSFP fiber switch ports breaking out to 60 LC ports.

Base8 wiring with built-in MTP trunks maximizes rack space and link performance, while enabling simple cable deployment and optimized harness mapping. The N48K-15M8L60-B uses all 60 LC ports, meaning no dead ports as in Base12 wiring, with streamlined 1-to-1 port mapping. Eliminating the need for 12-fiber conversion modules results in a reduction of up to 50 percent in link attenuation.

Hardwired cassettes offer a 30-percent improvement in insertion loss with no separate MTP connection in the rear, resulting in longer duplex link distances. Color-coded magenta OM4 cables are easily distinguished from traditional aqua OM3 multimode fiber.

The front panel folds down to protect the LC patch cords, as well as provide wire mapping by matching each cassette's labeled MTP cables to the LC clusters. Writing space on the inside panel lets you custom-label each port. Each panel is serialized and insertion loss data is available upon request via the unit's serial number.

Features

Integrates Equipment with 10G and 40G Speeds to Meet Current Connectivity Needs

- Also future-proofs your network for eventual 100G and 400G speeds
- Recommended for QSFP fiber-based Ethernet switches
- OM4 fiber for highest throughput

5 Breakout Cassettes

- 12 LC duplex ports and 3 built-in 2-meter MTP multimode cables per cassette
- Total of 15 QSFP fiber switch ports and 60 LC ports

- 100% fiber utilization
- Streamlined 1:1 port mapping
- Up to 50% reduction in link attenuation
- Color-coded magenta cables easily distinguishable in crowded switch

Base8 Wiring
- No unused LC ports as in Base12 wiring
- Simple patch cable deployment
- Optimized harness mapping
- Hardwired cassette modules offer 30% improvement in insertion loss

Fold-Down Front Panel
- LC patch cables protected
- Provides wire mapping by matching each cassette's labeled MTP cables to LC clusters
- Writing space on inside panel for custom-labeling of ports
- Insertion loss data available via unit's serial number

Mounts in 1U of EIA-Standard 19 in. Rack
- Maximizes rack space and link performance

Specifications

PHYSICAL	
Color	Black
CONNECTIONS	
Side A - Connector 1	(15) MTP (FEMALE)
Side B - Connector 1	(60) LC DUPLEX (FEMALE)
CERTIFICATIONS	
Certifications	ROHS
WARRANTY	
Product Warranty Period (Worldwide)	1-year limited warranty