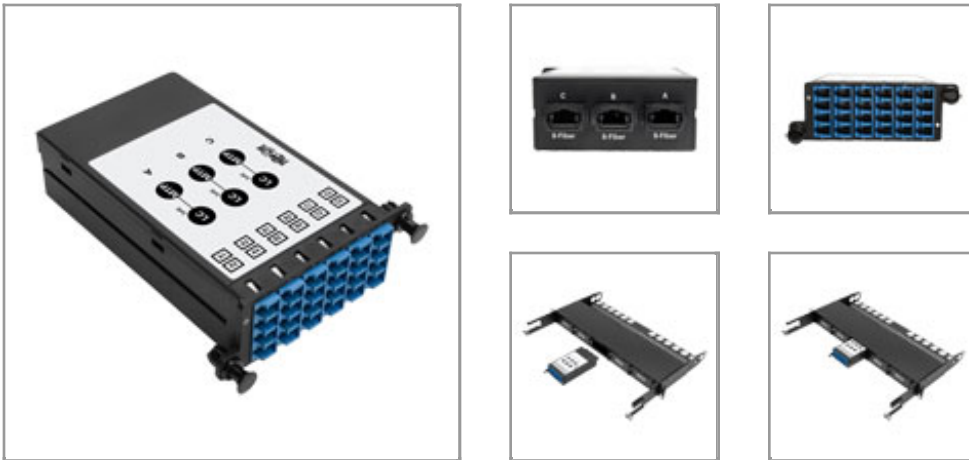


- Guaranteed compatibility with recommended Tripp Lite cabling, including N370- and N390-Series
- 8-fiber MTP ports are Polarity B, optimized for parallel optics and Base-8 connectivity

## 8.3/125 Singlemode Fiber 40/100 Gb to 10 Gb Breakout Cassette, (x3) 8-Fiber MTP/MPO (APC) to (x12) LC (UPC) Duplex, N482 Chassis

MODEL NUMBER: **N482-3M8L12S**



### Description

The N482-3M8L12S 8.3/125 Singlemode Fiber Optic 40/100 Gb to 10 Gb Breakout Cassette works in tandem with Tripp Lite's [N482-00U](#), [N482-01U](#) or [N482-02U](#) chassis to join 12 duplex LC fiber cables with three 8-fiber MTP/MPO connections. Ideal for interconnecting any combination of 10 Gb, 40 Gb and 100 Gb network equipment in a simple, elegant and highly flexible way, it's compatible with recommended Tripp Lite cabling, including the N370- and N390-Series. Its 8-fiber MTP ports are Polarity B, optimized for parallel optics and Base-8 connectivity.

The fiber optic cassette installs easily in the [N482-00U](#), [N482-01U](#) or [N482-02U](#) chassis with no tools required. Just insert the cassette into the chassis, and tighten its retention clips to secure it. Plug LC patch cables, such as Tripp Lite's N370- and N390-Series cables, into the cassette using the cable's convenient push/pull tabs. One cassette fits into the [N482-00U](#) chassis, five fit into the [N482-01U](#), and 14 fit into the [N482-02U](#). Dust tabs protect unused ports from potential damage.

The modular design makes it easy to modify, upgrade or expand your infrastructure as your needs grow. If you need to change out a single cassette, you can do so without replacing the panel or removing other cassettes. Because this system supports devices of varying speeds, you can mix and match 10 Gb, 40 Gb and 100 Gb network equipment. The fiber cassette supports 40/100 GbE internally using singlemode fiber optic cables and is ideal for QSFP fabric switches that use eight out of 12 available MTP fibers for four-lane parallel optics to 40/100 Gb.

The N482-3M8L12S complies with IEEE 802.3ae (10 GbE) and ANSI T11.2 (Fibre Channel) requirements. Maximum insertion loss of 0.35 dB falls well under the IEEE 802.3ae maximum channel loss specification of <25 dB.

### Features

**Elegant, Simple Solution for 40/100 Gb to 10 Gb LC Cable Connections**

### Highlights

- For use with Tripp Lite [N482-00U](#), [N482-01U](#) or [N482-02U](#) chassis
- Simple installation with no tools required
- Factory-terminated singlemode connectors reduce installation time
- Supports 40/100 GbE internally using singlemode fiber optic cable
- Optimized for parallel optics and Base-8 connectivity

### System Requirements

- QSFP switches that use 8-fiber per port to support 4 x LC 10 Gb breakout
- Guaranteed compatibility with recommended Tripp Lite cabling, including N370- and N390-Series
- 8-fiber MTP ports are Polarity B, optimized for parallel optics and Base-8 connectivity

### Package Includes

- N482-3M8L12S 8.3/125 Singlemode Fiber Optic 40/100 Gb to 10 Gb Breakout Cassette
- Quick Start Guide



- High-density singlemode fiber cassette for use with Tripp Lite [N482-00U](#), [N482-01U](#) and [N482-02U](#) fiber enclosure panels
- Breaks out three 8-fiber MTP/MPO connections into 12 duplex LC fiber cables
- Perfect for use with QSFP fabric switches to support 4 lanes parallel to 40 Gb
- Supports 40/100 GbE internally using singlemode fiber optic cable
- 8-fiber MTP ports are Polarity B, optimized for parallel optics and Base-8 connectivity

#### Designed Specifically for Use with Tripp Lite Cabling

- Guaranteed compatibility with recommended Tripp Lite cables, including N370- and N390-Series

#### Simple Fiber Installations Save Time and Money

- Easy installation with no tools required
- Install up to 14 cassettes in [N482-02U](#) 2U chassis
- Install up to 5 cassettes in [N482-01U](#) 1U chassis
- Install 1 cassette in [N482-00U](#) 0U chassis
- Supports devices of varying speeds, including 10 Gb, 40 Gb and 100 Gb network equipment

#### Easy to Modify, Upgrade or Expand Fiber Infrastructure by Adding or Swapping Cassettes

- Futureproof-friendly modular design allows removal of cassette without replacing panel or removing other cassettes
- Complies with IEEE 802.3ae (10 GbE) and ANSI T11.2 (Fibre Channel) requirements
- 0.35 dB maximum insertion loss falls under IEEE 802.3ae maximum channel loss spec of <25 dB

#### Premium Construction for Optimal Performance

- Durable plastic construction
- Factory-terminated connectors reduce time and labor
- Dust caps protect unused ports

## Specifications

CONNECTIONS	
Ports	12
Side A - Connector 1	(3) 8-STRAND MTP (MALE)
Side B - Connector 1	(12) LC DUPLEX (FEMALE)
WARRANTY	
Product Warranty Period (Worldwide)	Lifetime limited warranty

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