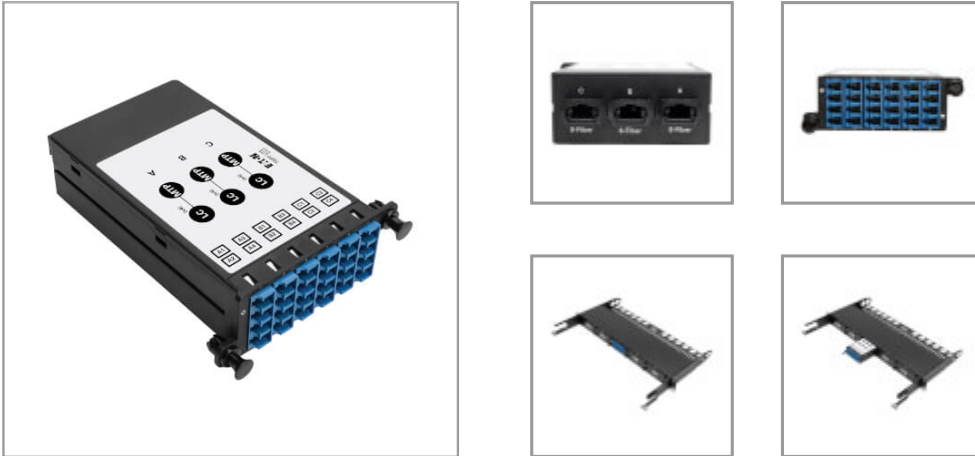**Powering Business Worldwide**

Important Note

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

40/100Gb Singlemode Fiber, 40Gb to 4 x 10Gb, 100Gb to 4 x 25Gb, Breakout Cassette, (x3) 8-Fiber MTP/MPO (APC) to (x12) LC (UPC) Duplex 9/125, N482 Chassis

MODEL NUMBER: **N482-3M8L12S**

Singlemode fiber cassette installs in Tripp Lite N482-Series chassis to connect 12 duplex LC fiber cables with three 8-fiber MTP/MPO (APC) connections in high-density network applications.

Highlights

- For use with 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 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 9/125 Singlemode Fiber Optic 40/100 Gb to 10 Gb Breakout Cassette
- Quick Start Guide

Description

The N482-3M8L12S 9/125 Singlemode Fiber Optic 40/100 Gb to 10/25 Gb Breakout Cassette works in tandem with an N482-00U, N482-01U or N482-02U chassis (sold separately) to join 12 duplex LC fiber cables with three 8-fiber MTP/MPO connections. Ideal for interconnecting any combination of 10Gb, 25Gb, 40Gb and 100Gb network equipment in a simple, elegant and highly flexible way, it's compatible with recommended cabling, including the N370- and N390-Series (sold separately). 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 chassis with no tools required. Just insert the cassette into the chassis, and tighten its retention clips to secure it. Plug LC Ethernet cables, such as 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 10Gb, 25Gb, 40Gb and 100Gb 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 10/25 Gb LC Cable Connections High-density singlemode fiber cassette for use with N482-00U, N482-01U and N482-02U fiber enclosure panelsBreaks out three 8-fiber MTP/MPO connections into 12 duplex LC fiber cablesPerfect for use with QSFP fabric switches to support 4 lanes parallel to 40 GbSupports 40/100 GbE internally using singlemode fiber optic cable8-fiber

MTP ports are Polarity B, optimized for parallel optics and Base-8 connectivity

Designed Specifically for Use with Cabling Guaranteed compatibility with recommended cables, including N370- and N390-Series

Simple Fiber Installations Save Time and Money Easy installation with no tools requiredInstall up to 14 cassettes in N482-02U 2U chassisInstall up to 5 cassettes in N482-01U 1U chassisInstall 1 cassette in N482-00U 0U chassisSupports 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 cassettesComplies with IEEE 802.3ae (10 GbE) and ANSI T11.2 (Fibre Channel) requirements0.35 dB maximum insertion loss falls under IEEE 802.3ae maximum channel loss spec of <25 dB

Premium Construction for Optimal Performance Durable plastic constructionFactory-terminated connectors reduce time and laborDust caps protect unused ports

Specifications

OVERVIEW	
UPC Code	037332205742
Technology	Singlemode

CONNECTIONS	
Number of Ports	12
Side A - Connector 1	8-STRAND MTP/MPO (MALE)
Side B - Connector 1	LC DUPLEX (FEMALE)

STANDARDS & COMPLIANCE	
Product Compliance	RoHS

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	Lifetime limited warranty