



Syropy AI Connectivity

Single-mode 40G split into 4 10G fiber optic cables



Powered by Syropy AI Connectivity



Overview

The 40G QSFP+ PSM4 optical module that can be interconnected with the 10G LR optical module, it is 4-channel 10G parallel technology, the interface type is MTP/MPO, and conforms to the 10G BASE-LR standard. As datacom technology migrates from 10G to 40G and beyond, connecting 40G equipment with existing 10G equipment is often necessary. The 4x10G connectivity is achieved using an external 12-fiber parallel to 2-fiber duplex breakout cable, which connects the 40GBASE-SR4 module to four 10GBASE-SR optical interfaces. Amphenol QSFP+ (40G) to 4 x SFP+ (10G) Splitter (Breakout) DAC Cables up to 5m (16. Deployment flexibility with 800G (dual 400G), 400G, 100G, 50G, 40G, 25G, 10G or 1G modules.



Single-mode 40G split into 4 10G fiber optic cables



QSFP+ (40G) to 4 x SFP+ (10G) Splitter (Breakout) Cables

Our QSFP+ to 4 x SFP+ Direct Attach Copper (DAC) Cable offers a cost-effective I/O solution for merging a single 40G QSFP+ port with up to four 10G SFP+ ports on

Wholesale Optical Transceivers Module , 100G

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical



Thorlabs · Lithium Niobate Electro-Optic Modulators,

Our fiber-coupled tunable lasers provide an ideal O-band, C-band, or L-band source for use with these modulators. For all-in-one solutions in high-speed fiber optic

High Density 12 Cores OM5 Multimode MPO Fiber Optic Cable with

High Speed and High Density: Premium quality multimode fiber provides secure, reliable connections with low insertion loss ($IL \leq 0.35\text{dB}$) and high return loss ($RL \geq 60\text{dB}$), supporting 10G/40G/100G



40G QSFP+ to 4x 10G SFP+ Breakout Active Optical

40GbE and 10GbE break-out applications for Datacenter, Datacom switch and router connections and 40G to 4x10G density applications for Datacom and Proprietary



QSFP 40G: Which Transceiver Type Best Suits Your Needs?

A deep dive into QSFP 40G transceiver types (SR4, LR4, ER4, CR4) for data centers. Compare specifications, applications, and performance to select the optimal fiber optic module for



Breakout optical cables

The following optical breakout cables can be used with 40G SR4/eSR4 to split into 4x10G SR, or with 100G SR4 to split into 4x25G SR compatible streams. These





Understanding Transceiver Pull Tab Colors:

The Hidden Meaning Behind Optical Transceiver Pull Tab Colors In the fast-paced world of high-speed data centers and enterprise networks, optical



High-Density 40G to 10G Breakout Cabling Solutions

As the following figure shows, the MTP® to 4 LC breakout cable achieves 40G to 10G breakout cabling by connecting single QSFP+ (40G



Arista Optics Modules and Cables

All interface speeds, from 1G to 400GE have connectivity options that include Direct Attach copper Cables (DACs), Active Optical Cables (AOCs), multi-mode fiber and single-mode fiber transceivers.



12 Core Single Mode Fiber Optic Cable

Shop high-quality 12 core single mode fiber optic cables for reliable communication. Enjoy durable, efficient, and cost-effective solutions for your needs.



GadgetRidge 75M/246FT Outdoor Armored LC to LC Fiber Optic Cable, 4

Ideal for construction sites, highways, outdoor junction boxes, oil rigs, tunnels, solar farms, and other harsh-field deployments. 2.High-Speed, Long-Distance: Equipped with 4 strands of bend-insensitive

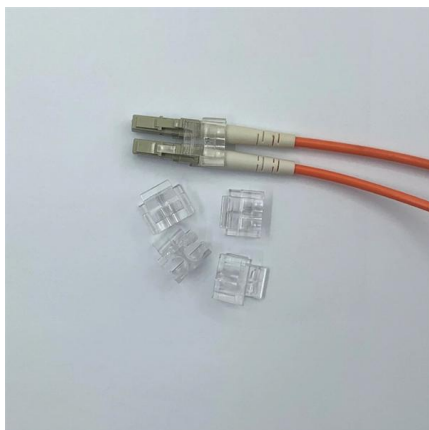


Single-mode 10G And 40G Interconnect Solution--40G QSFP+ PSM4

So are there any 40G optical modules that can be connected to single-mode 10G LR optical modules?In this article, ETU-LINK will introduce the next 40G optical module that can be

10 Best Fiber Optic Manufacturers for 2026

Discover the best fiber optic manufacturers globally, offering cutting-edge multimode and single mode fiber solutions. See who tops the list for quality



Set Up a Fiber-Optic Network in Your Home or Office

Learn about the various fiber-optic components used for running fiber in your house, office, or between buildings. Find out how to use fiber optics for



10GB Multimode OM4 Fiber Optic Cables: A Comprehensive

This blog provides a detailed overview of 10GB multimode OM4 fiber optic cables, explaining their specifications, applications, and benefits. It highlights their use in data centers and enterprise



QSFP28 Transceiver: Complete 100G Connectivity Guide (2026)

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot 100G QSFP28 optics.

Single Mode Fiber: OS1 vs OS2 Fiber

While both are single-mode fibers designed for long-distance, high-bandwidth transmission, understanding the key differences between OS1 and



Buy SFP Modules Fiber Optic Cables For Best Price

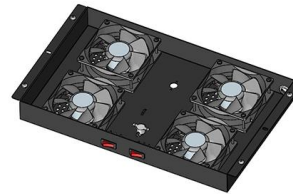
Shop SFP Modules & Fiber Optic Cables for best prices in India. Syrotech, TP-Link, D-Link, Mikrotik, and many such popular brands. Free Delivery on all products.

High-Performance Networking: A Deep Dive



into the Cisco QSFP-40G

On the receiving end, the module de-multiplexes the 40G optical input back into four separate 10Gbps electrical signals. This "4x10G" architecture is what allows the QSFP-40G-LR4-S to



40 Gig to 4x10 Gig breakout

The 4x10G connectivity is achieved using an external 12-fiber parallel to 2-fiber duplex breakout cable, which connects the 40GBASE-SR4 module to

Panduit Cable Ordering Guide For Cisco 40G Optics

This module can be used for native 40G optical links over 12-fiber parallel cables with MPO/MTP female connectors or in a 4x10G breakout mode with parallel to duplex fiber breakout cables for connectivity



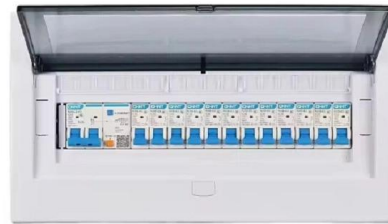
SFP Module 10G SFP Optical Transceiver GPON PON Fiber Copper

Warranty Time 3 Years Product name SFP Module
Type Fiber Optic Transceivers Connector Type LC / SC / MPO Max Data Rate 155M 1.25G 10G 25G 40G 100G 400G Single package size 10X5X2 cm



Amazon : Fiber Optic Cable Switch

MECCANIXITY 1Pcs 9.8Ft Single-Mode Duplex Fiber Optic Patch Cable LSZH Fiber Jumper Optical LC/UPC to SC/APC for Data Centers Router Switches Transceivers Add to cart



40G QSFP Transceivers for QSFP 4x10G Breakout

The 4x10G connectivity is achieved by using a 12-fiber MTP Female to a 2-fiber single-mode duplex breakout cable, which connects the QSFP 40G

12 core multi mode fiber optic cable

Discover our 12-core multi-mode fiber optic cable, ideal for wholesale buyers. Available at an average price around \$60.66, order as few as 1 unit. Perfect for indoor and outdoor applications, this GJFV



40/4x10G Active Optical Breakout Cable

This high-performance 40/4x10G Active Optical Breakout Cable with QSFP+ to 4xSFP+ supports up to 100m, low power consumption, and multi-protocol support.



Fiber Optic Color Code Explained: Jacket, Connector

Understand fiber optic color codes with this complete guide. Learn about jacket colors, buffer color standards, connector IDs, and practical visuals.



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For datasheets, pricing, or custom high-speed optical interconnect solutions, please visit:
<https://syropy.com.pl>