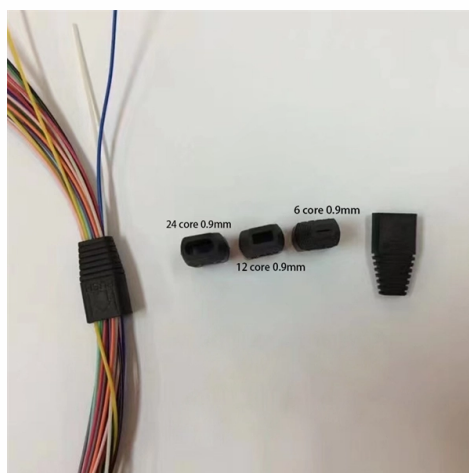


40G Single-Mode Optical Module Enterprise



Overview

Our 40GBASE-ER4 QSFP+ transceiver enables ultra-long-reach connectivity for service provider networks. Supporting 40km transmission over single-mode fiber with 4 CWDM wavelengths (1271/1291/1311/1331nm), this high-performance module delivers impressive 19 dB link budget at speeds. The Cisco ® 40GBASE QSFP (Quad Small Form-Factor Pluggable) portfolio offers customers a wide variety of high-density and low-power 40 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider. FS 40G QSFP+ optical transceiver module solutions offer a full range of QSFP+ modules from 150m to 80km reach, and used for high-density switching, routing and data center applications. Trusted by 260K+. The QSFP-40G-ER4 (Quad Small Form-factor Pluggable 40G Extended Reach) is a hot-swappable, optical fiber transceiver module. It's designed for long-haul communications, transmitting 40Gbps data rates over single-mode fiber (SMF) for distances up to 40 kilometers. Leveraging advanced 1x50G PAM4 DSP technology and robust industrial thermal designs, our Wuhan facility delivers. The 40GBASE-ER4 QSFP+ 1310nm Optical Transceiver Module is designed to transmit 40GBASE Ethernet throughput up to 40km over duplex LC connectors using single-mode fiber (SMF) at 1310nm wavelength. The transceiver is compliant with QSFP+ MSA, IEEE 802. 3bm 40GBASE-ER4, and OTU3 standards.

Article Content

Cisco 40GBASE QSFP Modules Data Sheet

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

40G QSFP+ Transceiver Modules | Optical Transceivers

Click to get your 40G QSFP+ transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

40Gbps QSFP+ Optical Modules

40Gbps QSFP+ Optical Modules QSFP-40G-LR4 QSFP-40G-SDLC-PAM QSFP-40G-SR-BD (02311FPA) QSFP-40G-eSR4 QSFP-40G-iSR4 QSFP-40G-LX4 QSFP-40G-ER4 QSFP-40G-LR4

QSFP-40G-ER4 Demystified: Your Guide to 40Gbps

QSFP+ 40G ER4 is a 40G transceiver for long-distance, high-speed links up to 40km, ideal for data centers and enterprise networks using single

Up to 40Gbps Data over 40km with 40GBASE-ER4 QSFP+ Module

The 40GBASE-ER4 QSFP+ 1310nm Optical Transceiver Module is designed to transmit 40GBASE Ethernet throughput up to 40km over duplex LC connectors using single-mode fiber

40GBASE-ER4 QSFP+ Transceiver

Our EDGEOPTIC 40G-QSFP-40 is a multi-vendor compatible 40GBASE-ER4 QSFP+ optical transceiver module engineered for extended-reach 40 Gigabit

Arista Optics Modules and Cables

SFP+ Optical interoperability with 10GbE XFP, X2 and XENPAK pluggable form factors QSFP+ Universal transceiver for 40G operations over duplex multi-mode and single-mode fiber.

Cisco 40GBASE QSFP Modules Data Sheet

The Cisco 40GBASE-LR4 QSFP module supports link lengths of up to 10 kilometers over a standard pair of G.652 single-mode fiber with duplex LC connectors. The 40 Gigabit Ethernet signal is carried

40G QSFP+ 10~40km transceiver

The QSFP+ module is designed for use in 40GBASE Ethernet throughput up to 10km, 30km or 40km over single mode fiber (SMF) using a wavelength of

Business In Tanzania | * Commando SFP-SM-1G for TZS | Facebook

Single-Mode vs Multi-Mode Fiber Optic & SFP Modules – Know the Difference

□□Choosing the right fiber optic cable and SFP module is critical for building reliable and scalable networks.

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.

Optical Transceivers / SFP Modules – High-Performance Compatible

Comprehensive Optical Transceivers & SFP Module for High-Speed Networks LINK-PP offers a full range of optical transceivers and SFP module for modern data centers, telecom networks, and

Learn how to choose the right SFP module for your network. Avoid ...

Learn how to choose the right SFP module for your network and avoid common compatibility mistakes. This practical guide explains SR vs LR, singlemode vs multimode,

Optical Transceiver Pricing: Cost Ranges by Speed

Single-mode DFB lasers, coherent optics and tunable DWDM components are costly to design and manufacture, so long-reach and DWDM modules command

Optics Transceiver Module Market 2025

Key product categories include single-mode optical modules for long-distance communication and multi-mode optical modules for shorter-range applications. Market growth is driven by surging demand for

Transceivers, optical modules

SFP SFP+ XFP SFP28 QSFP+ QSFP28 optical modules with 100M, 1G, 10G, 25G, 40G, 100G bandwidths. Compatible with chosen vendor of the switch, server card, router. Proven quality at the

Fiberstore QSFP-LR4-40G, 40GbE QSFP+ Optical Transceiver Module

Item description from the seller Item Description Genuine Fiberstore QSFP-LR4-40G QSFP+ Optical Transceiver Module in used condition. Designed for high-speed 40Gb Ethernet networking over long

What is QSFP & QSFP+ Transceiver: An Ultimate

Single Mode QSFP: The SMF type typically features an LC connector and a WDM laser, suitable for 9/125 single-mode fiber cabling,

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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