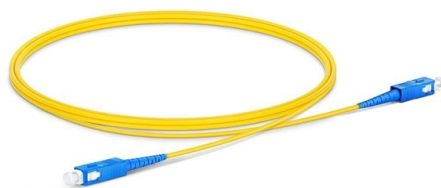


ER4 optical module



Overview

The Cisco 40GBASE-ER4 QSFP Module supports link lengths up to 40km over G.652 single-mode fiber with duplex LC connectors.

Key Takeaways

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. This transceiver is compliant with QSFP+ MSA, IEEE 802.3bm 40GBASE-ER4 and OTU3 standard. Digital diagnostics functions are also. The S-Class Cisco 40GBASE-SR4-S QSFP module supports link lengths of 100 and 150 meters, respectively, on laser-optimized OM3, and OM4/OM5 multimode fibers. QSFP-40G-SR4-S is aligned to IEEE 40GBASE-SR4 optical specifications which support high-bandwidth 40G optical links over 12-fiber parallel. With the continuous development of network technology, the speed and efficiency of data transmission have become the key factors for network fluency and stability. 40G QSFP+ ER4 optical module as the latest generation of optical fiber transmission module, with its high speed, high efficiency, long. OM9558ES100 module is designed for 40 km optical communication applications. The module converts 4 input channels of 25Gb/s electrical data to 4 channels of LAN WDM optical signals and then multiplexes them into a single channel for.



Article Content

Cisco 40GBASE QSFP Modules Data Sheet

The Cisco 40GBASE-ER4 QSFP Module supports link lengths up to 40km over G.652 single-mode fiber with duplex LC connectors. The 40GE or OTU3 signal is carried over four

40G QSFP+ ER4 optical module: Efficient and stable

The 40G QSFP+ ER4 optical module is a transceiver module designed for long distance optical communication applications. The design

QSFP28 100G ER4 | HiSilicon Optoelectronics

This module contains 4-lane optical transmitter, 4-lane optical receiver and module management block including 2 wire serial interfaces. The optical signals are

100GBASE-ER4 QSFP28 1310nm 40km DOM Optical

The 100GBASE-ER4 QSFP28 Optical Transceiver Module is designed for use in 100GBASE Ethernet throughput up to 40km over single mode fiber (SMF) using

100G QSFP28 ER4 40km Optical Module

HTFuture's 100G QSFP28 ER4 Optical Module supports 40km SMF transmission at 100Gbps, ideal for high-speed data centers and telecom applications.

QSFP-DD ER4 400GbE Universal Optical Transceiver | GBC Photonics

The 400G QSFP-DD ER4 optical transceiver transmits data over single mode fibre at a distance of up to 40km. The transceiver operates on 4 LAN-WDM wavelengths and works in point-to-point scenario.

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

The QSFP-40G-ER4 (Quad Small Form-factor Pluggable 40G Extended Reach) is a hot-swappable, optical fiber transceiver module. It's

100G Optical Module: How to Choose Between SR4,

Long-distance modules (e.g., LR4/ER4) may have higher costs but offer reliable performance, justifying the investment for critical links. Today,

direcXource Generic Compatible CFP-100G-ER4 100GBASE-ER4

direcXource's CFP-100G-ER4 optical transceiver is a parallel 112Gbps C Form-factor Pluggable CFP module for use in 100GBASE Ethernet. CFP ER4 provides 100Gb/s throughput up to 40km over

Optical module

Optical modules can either plug into a front panel socket or an on-board socket. Sometimes the optical module is replaced by an electrical interface module that implements either an active or passive

Eoptolink

Eoptolink - market leader in high speed optical transceivers: 800G QSFP-DD800 & OSFP, 400G QSFP56-DD, QSFP112, OSFP, 200G QSFP56 and QSFP-DD, 100G single lambda QSFP28 and

Dell networking transceivers and cables

All optics and cables released by Dell Networking have passed comprehensive optical analytics check as well as an extensive dynamic test suite. Dell-labeled optics are warrantied alongside the Dell

Custom 200GBASE-ER4 QSFP56 Module | 40km APD SMF

The Custom 200GBASE-ER4 QSFP56 transceiver directly eliminates this layer. By injecting heavily amplified optical signals into the LAN-WDM grid and utilizing APD multiplier effects on the receiving

QSFP28 Module Types: SR4, LR4, CWDM4 & Single-Lambda

Compare all QSFP28 module types: SR4, LR4, CWDM4, PSM4, ER4, ZR4, and single-lambda DR1/FR1/LR1. See real pricing, link budgets, and a selection framework.

Custom 200GBASE-ER4 CFP2 Module | 40km OTN Transport

Upgrade legacy telecom chassis. The 200GBASE-ER4 CFP2 transceiver delivers robust thermal dissipation and 40km single-mode reach for core optical transport networks.

What Is QSFP28? A Clear Explanation of 100G Transceivers

QSFP28 Module Types: (SR4, LR4, CWDM4, PSM4, ER4, ZR4, DR1/FR1, SWDM4, BiDi)
QSFP28 is a family of 100G transceivers that share the same QSFP form factor but use different optical

QSFP28 Price Guide 2026: 100G Transceiver Costs & TCO

Both OEM and third-party modules may be designed to meet the same QSFP28 electrical interface requirements and the same optical standards, such as 100GBASE-SR4,

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

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