

40km optical module for short-distance use



Overview

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. In modern optical transport networks, 100G optical modules with a transmission distance of 40km have emerged as a core technology to meet the needs of carriers' backbone networks, large enterprises, and cloud service providers. 3bm 40GBASE-ER4, and OTU3 standards. Engineered for reliability and scalability, these transceivers ensure efficient and seamless communication across various network infrastructures. It uses fiber optical technology to send and receive data through completing the process of optical signal - electrical signal / electrical signal - optical signal conversion.



Article Content

100G-4WDM-QSFP40KM Extreme | €508 | EDGE Optical Solutions

Use this module for 100GBASE-4WDM-40 ports only. Compatible with Extreme Networks platforms supporting 100GBASE-4WDM-40 in the QSFP28 cage. Verify the specific Extreme switch and ...

QSFP+ 40G Optical Transceivers,40G Fiber Optic Transceiver

40G QSFP+ BIDI optical transceiver module is a pluggable optical transceiver with a duplex LC connector interface for short-reach data communication and interconnect applications using Multi ...

Extend Your 100G Reach to 40km Transmission with FS Optics

FS offers a wide range of 100G optical modules supporting transmission distances up to 40km. Purpose-built for DCI, metropolitan area networks, and telecom backbone networks, these ...

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 ...

SFP+ 40km (10GBASE-ER): Extended-Reach Optical Module Guide

In this guide, you'll learn what SFP+ 40km really means, how 10GBASE-ER compares to alternatives like BX40, and how to choose the right module based on distance, compatibility, and ...

Wholesale Optical Transceivers Module | 100G QSFP28, 40G QSFP

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

Wholesale Optical Transceivers Module | 100G ...

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100GBASE QSFP-100G Modules Data Sheet

The Cisco QSFP 40/100 Gb dual-rate Bi-Directional (BiDi) transceiver is a pluggable optical transceiver with a duplex LC connector interface for short-reach data communication and ...

JTOPTICS 40G Transceivers | High-Performance 40G Solutions

JTOPTICS® 40G SR4 QSFP+ transceiver is a high performance module for short range multi lane data communication and interconnection applications with digital diagnostics functions.

40G QSFP+ TRANSCEIVERS | Smartoptics

QSFP+ Direct Attach Copper (DAC) cables – Provide a complete, cost-effective solution for short-distance connectivity, such as rack-to-rack links in data centers.

SFP-10G-ER 1550nm 40km DDM Optical Transceiver

In order to use different type of fiber, we also classify optical transceiver modules into single-mode optical modules and multi-mode optical modules. Single-mode optical module is used to match single ...

Contact Us

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