

# 10km and 40km Ethernet optical modules



## Overview

A 10GBASE-ER SFP module is a long-reach 10Gbps fiber optic transceiver designed to transmit data over single-mode fiber up to 40km, making it a key solution for extended Ethernet links beyond standard campus or data center distances. Compared with short-reach and long-reach 10G SFP+ optics. Extreme Networks 10309 Compatible 10GBASE-ER SFP+ 1310nm 40km DOM Duplex LC/UPC SMF Optical Transceiver Module - FS. com Europe FS EuropeFREE SHIPPING on Orders Over EUR 79 VAT excl. Interoperable with IEEE 40GbE LR4 and LRL4 for easier migrations from 10G to 40G and to single mode fiber 100G. 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 1310nm via duplex LC connectors. This transceiver is compliant with QSFP+ MSA and IEEE 802. Digital diagnostics functions are also available. TRENDnet's SFP+ Single Mode LC Modules are compatible with standard SFP+ slots found on network switches and fiber media converters.



## Article Content

40G QSFP+ 10~40km transceiver

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10G SFP+ Transceivers | Optical Interconnect | Amphenol

COMPLIANT WITH 10G ETHERNET AND CPRI Amphenol's 10G SFP+ optical modules include SFP+ AOC. They are compliant with SFP+ MSA,

100G QSFP28 Optical Transceiver Modules | FiberMall

FiberMall offers 100G QSFP28 Optical Transceiver Modules provides 100 Gigabit Ethernet connectivity for up to 100km transmission with the MPO/LC connector.

800G Client Optics in the Data Center

When hyperscale data center operators start deploying a new generation of client optics, they immediately require massive volumes of optical modules to build out switching fabric and router

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

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

Understand SFP+ 40km (10GBASE-ER) modules, including specs, SMF compatibility, and how to choose the right extended-reach optical transceiver for your network.

SFP-10G-ER40 10GBASE-ER SFP+ Transceiver

High-performance 10GBASE-ER SFP+ optical transceiver. Delivers reliable 10 Gigabit Ethernet connectivity up to 40 kilometers over single-mode fiber (SMF)

10G SFP+ Optical Transceiver Modules | AscentOptics

We have 10G SFP+ products for various cable types, distances, and wavelengths. Browse our 10G copper, SR, BIDI, CWDM, DWDM, and tunable SFP+ modules -

OEM 100G QSFP28 & 200G QSFP56, QSFP-DD, CFP2

Capable of 40km single-mode transmission without intermediate optical amplifiers. To match diverse hardware environments, WolonFiber builds these extreme-reach modules in multiple form factors,

100G Optical Transceiver

Explore the details, specifications and video of our 100G Optical Transceiver, and order high-quality 100G Optical Transceiver from our factory directly at

[BRKOPT-2699](#)

800G Optical Modules: QSFP-DD or OSFP 51.2T, 64 port, 800G in 2RU Stacked cages (two modules) Both above and below the linecard Showing two modules inserted into upper and lower ports in a

[0Gb/s 40km SFP+ Optical Transceiver Module](#)

Experience high-performance, reliable fiber connectivity with our Optical Transceiver Module, designed for long-haul data transmission. This optical module supports 10Gb/s rates over 40km with low power

[Single Mode SFP Transceiver: Complete Guide Explained](#)

Definition of a Single Mode SFP Transceiver A single mode SFP transceiver is a hot-swappable optical module designed to transmit and receive data over single mode fiber (SMF). It is commonly used in

[datacenter optical transceiver laser: 2026 Guide](#)

Find top datacenter optical transceiver lasers with PAM4, co-packaged optics, and AI-powered management. Get verified suppliers, low MOQs, and real-time pricing. Click to explore

[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

[Extreme Networks 10309 Compatible 10GBASE-ER SFP+ 1310nm](#)

Extreme Networks 10309 Compatible SFP+ transceiver supports up to 40km over OS2 Single-Mode Fiber (SMF, G.652) via an LC duplex connector. This transceiver is compliant with SFF-8431, SFF

[10G SFP+ Transceiver Module, 300M, 2Km,10Km, 40Km, 120Km](#)

The transceiver consists of 10Gbit/s DFB/ EML optical transmitter and PIN receiver, which allow 300m ~ 120Km 10G Ethernet and 10G fiber channel applications. They support extended

[10GBASE-ER SFP Module Explained: Distance, Specs & Use Cases](#)

A 10GBASE-ER SFP module is a long-reach 10Gbps fiber optic transceiver designed to transmit data over single-mode fiber up to 40km, making it a key solution for extended Ethernet links beyond

[OSX010000 SFP+ OSX010000 price and specs](#)

OSX010000 SFP+ is Optical Transceiver,SFP+,10G,Single-mode Module (1310nm,10km,LC) OSX010000 SFP+ Product Overview OSX010000 SFP+ is a SFP+ Single Mode LC Module (40km)

The single mode 10G SFP+ transceiver is equipped with a duplex LC fiber connection interface, and supports high-speed data rates up to 10.31Gbps. All

Cisco 40GBASE QSFP Modules Data Sheet

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

Selecting the Perfect 100G Optical Module Packaging:

100G optical module have emerged as essential components in the fast-paced world of data centers and network communications,. With a plethora of

Arista Optics Modules and Cables

Arista's Optical Modules and Cable portfolio offer a wide variety of high-density and low-power 800G (dual 400G), 400G, 200G, 100G, 50G, 40G, 25G, 10G, 1G, and 100M Ethernet connectivity options

100GBASE QSFP-100G Modules Data Sheet

QSFP-100G Optical modules Features and benefits of Cisco QSFP modules Hot-swappable input/output device that plugs into a 100G Gigabit

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM Duplex LC SMF Optical Transceiver Module Applicable to data center and campus networks, enabling cost-effective, efficient, and high

Introduction of 10G SFP+ Optical Modules

10G SFP+optical module is a popular category widely used in data centers, enterprise networks, edge devices, and CPEs. Function: They're

## Contact Us

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