

Estonia 40km optical module



Overview

A QSFP 40G ER4 transceiver is a 40Gbps long-reach optical module designed for up to 40km transmission over single-mode fiber (SMF), using a QSFP+ form factor and CWDM4 wavelengths to carry four 10Gbps lanes over a duplex LC connection. Depending on different application scenarios and technical. EdgeOptic's 100G-4WDM-QSFP40KM compatible is an Extreme Networks-coded 100GBASE-4WDM-40 QSFP28 transceiver built to the 4WDM-40 MSA. These modules typically operate at a 1550 nm wavelength, use LC duplex connectors, and support Digital Optical Monitoring (DOM/DDM) for. An Optical transceiver module is the core part of optical communication devices. It uses fiber optical technology to send and receive data through completing the process of optical signal - electrical signal / electrical signal - optical signal conversion. Features 4 CWDM lanes MUX/DEMUX design Up to 11.



Article Content

Oct 31, 2025

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

Extreme Networks-coded 100G-4WDM-QSFP40KM compatible. 100GBASE-4WDM-40 QSFP28, 40km SMF over LAN-WDM, DOM. EU stock + lifetime warranty. €508.

Oct 27, 2025

QSFP 40G ER4 Transceiver: 40km Long-Reach Optical Solution

Discover QSFP 40G ER4 transceivers for 40km long-distance transmission. Learn features, use cases, compatibility, pricing, and how to choose the right module.

Mar 06, 2026

Singlemode 40 km Fiber Optic Transmitters, Receivers, Transceivers

Singlemode 40 km Fiber Optic Transmitters, Receivers, Transceivers are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Singlemode 40 km Fiber Optic

Feb 17, 2026

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

SFP-10G-ER 1550nm 40km DDM Optical Transceiver Module CISCO, HUAWEI, H3C, Juniper, D-link, HP, IBM, dell, Mikrotik, Aruba, Quidway Compatible This

Jul 20, 2025

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.

Dec 04, 2025

40G QSFP+ ER4 CWDM4 40km Optical Transceiver | AscentOptics

QSFP+ 40G ER4 CWDM4 is a transceiver module for 40km optical communication and compliant to the IEEE P802.3ba standard, with QSFP MSA compliant - AscentOptics.

May 05, 2026

10G Base ER SFP+ Transceiver | 40km SMF | 1550nm

Our 10G Base ER SFP+ transceiver extends 10 Gigabit Ethernet connectivity up to 40km over single-mode fiber for long-haul applications. Utilizing 1550nm

Dec 27, 2025

QSFP+ 40G ZR4 Optical Transceiver Module 80km

Asterfusion 40G QSFP+ ZR4 optical transceiver modules support 40GBASE-ZR4 Ethernet. QSFP+ 40G 80km optical modules are designed for Ethernet,

Oct 10, 2025

QSFP-40G-ER4 40Gbps QSFP+ Transceiver, SM,

The QSFP+ ER4 transceivers are high performance, cost effective modules supporting data rate of 40Gbps and 40km transmission distance with SMF.

Sep 29, 2025

100G QSFP ER4L 40km

100G QSFP ER4L 40km • Support line rates from 103.125 Gbps to 111.81Gbps • Compliant with QSFP28 Standard: SFF-8665 Revision 1.9, SFF-8636 Revision 2.6

Nov 16, 2025

100G QSFP28 ER4 Transceiver: 40km Reach Optical

100GE ER4 QSFP28 40km Optical Transceiver Description Innoptical's IN-QSFP28-ER4 module is designed for 40km optical communication applications. This

Sep 09, 2025

100G QSFP28 4WDM-40 30km/40km

100G QSFP28 4WDM-40 30km/40km 100G QSFP28 4WDM-40 portfolio includes 100GE QSFP28 4WDM-40 and 100GE QSFP28 4WDM-40 (IT) optical transceiver modules. These optical modules

Jul 29, 2025

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

FiberWDM provides a full range of 40G QSFP+ optical transceivers in the range of 100m to 40km. All QSFP+ transceivers have been fully tested. Quality assurance! buy with confidence!

Jan 15, 2026

Single Fiber 40 km SFP Optical Transceiver: Ciena...

Ciena XCVR-A40U31 is SFP Single Fiber Transceiver supporting 1.063-1.25Gbps data rate in 40 km distance over Single-Mode Fiber (SMF).

Nov 15, 2025

40G QSFP+ Transceiver Modules | Optical Transceivers

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

Feb 05, 2026

100G QSFP28 4WDM-40 DML CWDM4 30km/40km Optical

GIGALIGHT 100G QSFP28 4WDM-40 optical transceiver is used for long distance interconnection in data centers and is compliant with 100G 4WDM-40 MSA specification. It has a built-in pair of 4

Jan 15, 2026

10G BiDi SFP+ 40km | Tx1270/Rx1330 | Single Fiber Compatible

Compatible 10G BiDi SFP+ for 40km single fiber. Tx1270/Rx1330nm, 16dB budget, 50% fiber savings. Works with 80+ brands.

May 18, 2026

50Gbps QSFP28 Optical Module

50Gbps-QSFP28-SMF-1311nm-10km-commercial 50Gbps-QSFP28-SMF-1311nm-40km-commercial 50Gbps-QSFP28-SMF-1295.56~1300.05nm-80km-commercial

Dec 06, 2025

10G SFP+ CWDM 40km 1470nm-1610nm

- Receiver with PIN
- Duplex LC connector
- Built-in digital diagnostic functions
- Up to 40km on SMF
- Single power supply 3.3V
- Low power consumption
- RoHS

Feb 09, 2026

40GBASE-ER4 QSFP+ Transceiver | 40km SMF

EDGEOPTIC 40GBASE-ER4 QSFP+ transceiver: 40km single-mode fiber, CWDM 1271-1331nm, 19dB link budget, 44.8 Gbps. Ultra-long reach for service providers.

Jan 31, 2026

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

40G QSFP ER4 optical transceiver module, support 40Gb/s and up to 40 km transmission on SM fiber, it works in high-speed IDC connection solutions, and so on.

Jun 27, 2025

FS QSFP-ER4-40G 40GBASE-ER4 40G QSFP

FS QSFP-ER4-40G Compatible 40GBASE-ER4 QSFP+ Optical Transceiver Module (SMF, 1310nm, 40km, LC, DOM) The QSFP+ module is designed for use in

Jul 14, 2025

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

Feb 28, 2026

Arista Networks SFP-1G-EX-40 Compatible 1Gb SFP Transceiver Module ...

Arista Networks SFP-1G-EX-40 Compatible Gigabit Module - SMF Singlemode 1310nm Wavelength for up to 40km This high-quality Arista Networks SFP-1G-EX-40 Compatible DOM Transceiver. A cost

Jan 28, 2026

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

Where there is fiber, the optical module is needed, and the selection and

Nov 14, 2025

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

Discover FS 100G 40km optical modules, including OWDM, ER4L, BiDi, and 4W40, offering high-speed, low-latency, and low-power long-distance transmission.

May 25, 2026

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.

Apr 19, 2026

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

Jun 01, 2026

Carrier business

Tele2 Estonia DWDM network connects Helsinki and Frankfurt via shortest overland route. High availability and reliability due to less regenerations Highly secured infrastructure – most of our optics

Contact Us

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