

Price of a 40km 10G optical module



Article Overview

A 10G SFP+ optical module with a 40km range typically costs between \$100 and \$300, depending on brand and compatibility.

Price Overview

10G SFP+ modules vary widely in price based on transmission distance, optical technology, and brand. Standard short-range (SR) modules for a few hundred meters can cost as little as \$20-\$60, while long-range (LR/ER) modules designed for distances up to 40km are priced higher due to single-mode optics, higher optical power, and stricter performance requirements. Branded modules from major vendors often cost more than compatible third-party options, sometimes up to \$300 or more for ER modules .

Example Module

The SFP-10G-ER1310 is a generic 10G SFP+ transceiver supporting 10GBASE-ER1310 throughput up to 40km over single-mode fiber. It operates at a 1310nm wavelength and features an LC duplex connector. Such modules are tested for compatibility with multi-vendor network devices and can save up to 80% compared to original branded transceivers, offering a cost-effective solution for long-distance 10G connectivity .

Factors Affecting Cost

- Brand vs. Compatible Modules: OEM-branded modules often include warranties and vendor support, increasing cost. Compatible modules provide similar performance at lower prices

Article Content

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A Pair of 10GBase-ER 10G SFP+ BiDi DOM 40km

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10Gb/s 40km CWDM SFP+ ER Transceiver Module

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SFP-10G-ER Explained: Powering 40km 10Gbps Optical Links

SFP-10G-ER is a 10G SFP+ transceiver for up to 40km over single-mode fiber,
featuring 1550nm wavelength, LC

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10G ER SFP+ 1310nm 40km | HEYOPTICS

10GBASE-ER SFP+ 1310nm 40km DOM LC SMF Transceiver Module
P/N:SFP-10GER-31 \$49.90 USD Free Worldwide shipping on

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Hanutech 10Gbps SFP+ 40KM 1310nm Single Mode Dual Fiber Optical ...

Hanutech 10Gbps SFP+ 40KM 1310nm Single Mode Dual Fiber Optical Transceiver
SFP Module : Amazon : Industrial & Scientific

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Optical Transceiver Modules Prices & Specifications

What is Optical Transceiver Modules/SFP? Optical Transceiver Modules/SFP, also
called fiber optic

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10Gb/s Tunable DWDM 50GHZ XFP 40km Optical Transceiver

10Gb/s Tunable DWDM 50GHZ XFP 40km Optical Transceiver at Affordable Factory
Price, 5-Year Warranty & Money-back Guarantee.

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SFP Module 10G Single Mode Dual Fiber 40Km

Pine Digital - Offering SFP Module 10G Single Mode Dual Fiber 40Km,SFP Transceiver in New Delhi, Delhi. Also get SFP Optical

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10G 40km SFP Price

Find reliable 10G 40km SFP prices from top suppliers. High-quality optical transceiver modules for your network needs. Shop now for

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10G SFP+ ER Optical Transceiver Module | FiberMall

FiberMall SFP-10G31-ER Compatible 10G SFP+ ER transceiver module through up to 40km over single

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SFP+ Single Mode LC Module (40km)

TRENDnet's SFP+ Single Mode LC Modules are compatible with standard SFP+ slots found on network switches and fiber media

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10G SFP+ ER SMF 1310nm 40km Transceiver Module

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Hanutech 10G Single Mode SFP+ Bidi Modules 40KM Fiber Optic

Hanutech 10G Single Mode SFP+ Bidi Modules 40KM Fiber Optic Transceivers 1270/1330nm, LC Fiber Interface- 1 Year Warranty

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Huawei SFP-10G-ER40 Compatible 10Gb SFP+ Transceiver Module

Huawei SFP-10G-ER40 Compatible 10G SFP+ Module - Single-mode 1310nm Wavelength for up to 40km with Standard

Jul 23, 2026

10GBASE-ER SFP+ 40km 1550nm | EDGE Optical

ER operates at 1550 nm, where standard G.652 SMF has lower attenuation than at the 1310 nm

Dec 27, 2025

40G QSFP+ Optical Transceivers Complete Guide | Fibrecross

A 40G QSFP+ optical transceiver is a compact, hot-pluggable module that combines four 10G lanes into one 40Gbps Ethernet

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10g er sfp Transceiver | 40km Long-Haul Fiber Module

Explore 10g er sfp transceivers, including SFP-10G-ER40 and EX-SFP-10GE-ER-31. High-performance, long-range 10G ER modules

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FS 10G CWDM SFP+ Transceiver Module SMF 1390nm 40km

Check FS 10gbe CWDM SFP+ transceiver module datasheet (SMF, 1390nm, 40km, LC connector) and price list. 100% Compatible!

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Optical Modules for Huawei S Series Switches

If the SFP-10G-ER-1310 is connected to a 10Gbase-ER standard optical module (1550nm, 10GE, 40km), the maximum transmission

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10GE Optical Module (SFP+) 40km

10GE Optical Module (SFP+) 40km 10G 1550nm 40km SM SFP+. OSX040N01. Huawei DDM. Bulk pack. Without alarm. Apply to

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10Gb/s 40km CWDM SFP+ ER Transceiver Module

This CWDM SFP+ ER transceiver module is designed for 10 Gigabit Ethernet links up to 40km over single-mode fiber. It features a

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10G SFP+ module SM 20KM 40KM 80KM TX/RX 1270/1330nm,single

10G XFP module 10G XFP modules with fiber optics allow customers to utilize an XFP 10 Gigabit port on an existing piece of

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10Gb/s SMF 1550nm 40km XFP ER Optical Transceiver

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40G QSFP LR4 10km

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10G SFP+ Optical Transceivers | Transceiver Module

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for data centers, enterprise

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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,

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SFP+ 10 Gigabit Fiber Module

Description Get the most out of your network equipment with this 10 Gigabit 10BaseG-ER SFP+ Fiber Modules from Networx®. SFP

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SFP+ 10G 1310nm 40Km LC Transceiver

SFP+ 10G 1310nm 40Km LC Transceiver is a hot-pluggable SFP+ package/dual LC interface, with DDM digital diagnosis function,

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QSFP+ 40G LR4 optical module, single-mode, CWDM 4 aggregate 10G ...

The QSFP-4010-LR4 is a long range single-mode 40G QSFP+ optical module compatible with the 40GBase-LR4 specifications. It

May 24, 2026

10G 40KM SFP+/SFP-10G-ER-1310

Buy Huawei SFP-10G-ER-1310 Original 10G SFP+ Module with Compatible Test Report Assured, 3-Level Quality Control, at 8-Year

Oct 14, 2025

Huawei SFP 10G 40km Single Mode

This module is suitable for long-haul, high-bandwidth applications, providing reliable and efficient data transmission over extended

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10G SFP+ ER Optical Transceiver Module | FiberMall

Featuring low power consumption and high speed, this 10G SFP+ transceiver is ideal for data centers, enterprise wiring closets,

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SFP-1040-Dxx SFP+ 10G DWDM optical transceiver 40Km, Cisco ready

Explore the SFP-1040-Dxx a DWDM 10G SFP+ transceiver for Ethernet SONET or Fibre Channel up to 40Km. Cisco compatible with

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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

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10GBASE-ER SFP+ Module, 10giga Single Mode SFP 1550nm 40km

10GBASE-ER SFP+ Module, 10giga Single Mode SFP 1550nm 40km DDM LC, 10GE Gigabit Network Ethernet Mini GBIC Single

Aug 22, 2025

Generic 10GBASE-ER SFP+ Transceiver Module 1310nm 40km

This transceiver is compliant with SFF-8431 and SFF-8432. Digital diagnostics monitoring is available via a 2-wire serial interface, as

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.iiss.co.za>

Email: sales@iiss.co.za

Phone: +27 63 174 2895

Address: Unit 8, Innovation Park, 15 Rivonia Road, Sandton, Johannesburg,
2196, South Africa

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