

How much does a 40km optical module cost



Article Overview

40km optical modules range from approximately €508 for 100G QSFP28 modules to factory-priced 1G CWDM SFP modules, depending on speed and type.

Pricing Examples

- 100G QSFP28 40km Module: EdgeOptic lists the 100G-4WDM-QSFP40KM compatible module at €508, designed for 100GBASE-4WDM-40 applications over single-mode fiber with LC connectors and host RS-FEC support for full 40 km reach .
- 1.25G CWDM SFP 40km Module: Optcore offers a 1G CWDM SFP EX transceiver module for 40 km transmission over single-mode fiber. This module supports 1270-1610 nm wavelengths, LC duplex connectors, and digital diagnostic monitoring. Pricing is factory-level and cost-effective, typically lower than high-speed 40G or 100G modules .
- 40G QSFP+ Modules: FS provides a range of 40G QSFP+ optical transceivers with distances up to 80 km. Prices vary depending on vendor, model, and features such as DOM (Digital Optical Monitoring) and wavelength, but 40 km modules are generally mid-range in cost compared to shorter or longer reach modules .

Key Considerations

- Data Rate: Modules are available in 1G, 40G, and 100G speeds. Higher-speed modules (40G/100G) are more expensive than 1G modules.
- Connector Type: Most 40 km modules use LC duplex connectors for single-mode fi...

Article Content

May 03, 2026

40G QSFP+ Optical Transceivers | Transceiver Modules

Cisco QSFP-40G-ER4 Compatible 40GBASE-ER4 QSFP+ Optical Transceiver Module (SMF, 1310nm, 40km, LC, DDM) Cisco

Jun 10, 2026

QSFP 40G LR4 Transceiver: 10km Single-Mode Optical Solution

QSFP 40G LR4 is the preferred 40G optical transceiver for single-mode links up to 10km, offering a balanced solution between

May 12, 2026

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

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2.5G STM-16/OC48 40km CWDM SFP Transceiver Module

Buy 2.5G STM-16/OC48 40km CWDM SFP Optical Transceiver from Manufacturer at Affordable Factory Price, 5-Year Warranty &

Nov 30, 2025

QSFP-40G-ER4 40Gbps QSFP+ Transceiver, SM, 40KM -AOA Tech

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

Dec 07, 2025

400G Optical Modules Explained: SR4 Vs. DR4 Vs. FR4 Vs. LR4

Key differences between SR4, DR4, FR4, and LR4 400G optical modules. Expert advice from Asterfusion engineers

Jun 27, 2026

100G ER4 Lite 40km QSFP28 | €508.62 | EDGE Optical Solutions

100GBASE-ER4 Lite QSFP28, 40km SMF with host FEC, 22 dB budget, LAN-WDM. Cisco, Juniper, Nokia, 25+ platforms. EU stock

Jan 20, 2026

40GBASE ER4 QSFP+ Transceiver | 40G DWDM, 40km LC Optical

Discover 40GBASE ER4 QSFP+ transceivers, 40G DWDM, and LC transceivers. Ideal for high-performance networking with 40km

Sep 21, 2025

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

10Gb/s SMF 1550nm 40km XFP ER Optical Transceiver Module Optcore's OXP10G-5540DCR is a high performance and cost

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FMT40-DCM DATASHEET | FS

Description DCM (Dispersion Compensation Modules) - provides fixed chromatic dispersion compensation for high-speed metro

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

Depending on different application scenarios and technical requirements, the market offers a variety of 40km 100G

Mar 17, 2026

QSFP28 Price Guide 2026: 100G Transceiver Costs & TCO

Why does an OEM QSFP28 LR4 module cost so much more than a compatible third-party LR4 module? The answer

Jun 13, 2026

How to Choose and Use SFP+ BiDi 10G 40km Modules for Cost

This is to help illustrate the value of investing in BiDi modules, providing an additional level of efficiency and scalability

Sep 01, 2025

Customized 40GBASE-ER4 QSFP+ 1310nm 40km Optical

The third-party 40G SFP module is an ideal substitute to the Cisco QSFP-40G-ER4 QSFP+ 40G transceiver at an affordable price,

Aug 20, 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

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

Buy 10Gb/s CWDM 1470~1610nm 40km SFP+ ER Optical Transceiver from Manufacturer at Affordable Factory Price,5-Year

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DCM 40km Passive Dispersion Compensation Module

FiberMall offers Passive Dispersion Compensation Modules (DCM) that are based on DCF for DWDM system applications and

Jan 09, 2026

40km dcf-based passive dispersion compensation module

Description DCM (Dispersion Compensation Modules) provides fixed chromatic dispersion compensation for high-speed metro core,

Mar 11, 2026

SFP 40km vs. DWDM SFP: Which to Choose

This module supports 1Gb data rates and operates with single-mode fiber optics, incorporating advanced modulation

Jan 25, 2026

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

Jul 12, 2026

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

QSFP+ 40G ER4 is a 40G transceiver for long-distance, high-speed links up to 40km, ideal for data centers and

Feb 21, 2026

QSFP-40G-LR4: QSFP+ 40G LR4 Optical Module Single-Mode

Explore the QSFP-40G-LR4 a 40G LR4 single-mode module with CWDM for 10Km extension. Cisco compatible - buy now for high

Nov 11, 2025

40G QSFP+ Optical Transceivers Complete Guide | Fibrecross

How 40G QSFP+ optical transceivers boost performance in data centers and telecom networks. Learn about types, use cases, and

May 19, 2026

40G QSFP+ Optical Transceiver Modules | FiberMall

As a highly integrated 4-channel optical module, 40G QSFP LR4 PSM has a higher port density and is more cost-effective for the

Jan 21, 2026

100G ER4 QSFP28 1310nm 40km Transceiver | HEYOPTICS

100GBASE-ER4 QSFP28 1310nm 40km LC Duplex DOM Optical Transceiver Module
P/N: QSFP28-ER4-100G \$1,760.00 USD Free

Apr 07, 2026

Boost Connectivity with Reliable 40km optical module Solutions for ...

Find advanced 40km optical module answers for quick and dependable data flow. Use modern technologies to improve connection

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

In this article, we will provide a detailed overview of these different types of 40km 100G modules, analyzing their

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

What Is SFP-10G-ER 1550nm 40km DDM Optical Transceiver Module? SFP-10G-ER 1550nm 40km DDM Optical Transceiver

Jul 11, 2026

100G-4WDM-QSFP40KM Extreme | €508.62 | EDGE Optical Solutions

Extreme Networks-coded 100G-4WDM-QSFP40KM compatible. 100GBASE-4WDM-40 QSFP28, 40km SMF over LAN-WDM, DOM.

Sep 30, 2025

What factors influence 400G optical transceiver modules price?

Discover the key factors that drive 400G optical transceiver pricing—from form-factor and component costs to market dynamics and

Aug 26, 2025

10G SFP+ ER vs ZR: Long-Haul Optical Transceivers | PHILISUN

Need reliable long-distance 10G? This expert guide compares 10G SFP+ ER (40km) vs. ZR (80km). Learn the critical

Oct 06, 2025

40KM Passive Dispersion Compensation Module (DCM), DCF-based

FS dispersion compensation module (DCM) fully uses of DCF tech for compensating dispersion in optical fibre with 40km

Mar 08, 2026

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center

Contact Us

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