

Price of Single-Mode 10 Gigabit Optical Modules



AI Overview

10G single-mode SFP+ modules typically range from \$34 to \$50 for standard LR modules, with ER and ZR modules costing more depending on distance and features.

Typical Pricing

10G LR (Long Range, ~10 km): Prices generally start around \$34 to \$50 per module for standard single-mode SFP+ transceivers compatible with Cisco, Juniper, Arista, and other major brands.

10G ER (Extended Range, ~40 km): Modules designed for longer distances, such as 40 km, typically cost \$100 or more, depending on the manufacturer and wavelength (e.g., 1550 nm) used.

10G ZR (Ultra-Long Range, 80 km+): These are premium modules for metro or backbone networks and can exceed \$200-\$300 per module, reflecting their extended reach and specialized optics.

Factors Affecting Price

Distance and Wavelength: LR modules (10 km, 1310 nm) are the most affordable, while ER (40 km, 1550 nm) and ZR (80 km+) modules are more expensive due to higher-quality lasers and optics.

Brand and Compatibility: OEM modules from Cisco, Juniper, or Arista are typically more expensive than third-party or compatible modules (e.g., LINK-PP or FS modules), which can reduce costs by 30-50% without compromising standards compliance.

Power Consumption and Features: Modules with lower power consumption or multi-rate support may have slightly higher prices, but they can reduce operational costs in large deployments.

Bulk Purchase: Buying in larger quantities often reduces the per-unit cost, especially for enterprise or data center deployments.

Summary

For most enterprise or campus networks, 10G single-mode LR modules (~10 km) are the most cost-effective, priced around \$34-\$50. ER and ZR modules are suitable for longer-distance links but come at a higher price. Choosing between OEM and compatible modules can significantly impact cost while maintaining reliability and standards co...

Article Content

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

10G BiDi SFP+ TX1550nm/RX1490nm 70KM LC Optical Transceiver

Product Description□10G BiDi SFP+ 1490nm/1550nm 70KM LC Optical Transceiver
This high-performance bidirectional SFP+ transceiver delivers 10Gbps connectivity over 70km single-mode

Fiberhome ol100cl-04 optical transceiver module | gigabit single-mode ...

Here''s the key takeaway: the ol100cl-04 is a gigabit sfp optical module, originally manufactured by fiberhome communication technology co., ltd. it supports a 1.25gbps rate, single

10G SFP+ Optical Transceivers | Transceiver Module

Click to get your 10G SFP+ transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.

10G Single-Mode Optical Module

SFP+ transceiver that supports 10G connections up to 10 km using single-mode fiber with a duplex LC UPC connector.

SFP+ Optical Transceiver Modules (10G-SR/LR)

Amphenol SFP Optical Modules • SFP+ Optical Modules from Cables on Demand are Now Available in both Short Range (SR) Multimode and Long Range (LR)

Small Form-factor Pluggable

Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module

10Gtek 10GBase-LR SFP+ Transceiver, 10G 1310nm SMF

Available at a lower price from other sellers that may not offer free Prime shipping. Customers usually keep this item.

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

Featuring a built-in Semtec/Macom chip and reliable DFB laser from global leaders, the 10G SFP+ ER1310 module delivers low power consumption and stable optical links for high-speed single mode

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10G SFP+ Transceiver Modules& 10Gbase-T | FiberMall

10G SFP+ transceivers are available in many different transmitting and receiving types. Users can select the appropriate transceiver for each link to provide the

10GBASE-LR SFP+ | From €12 | EDGE Optical Solutions

Does this module work in Cisco, Juniper, Aruba, or other vendor equipment? The 10G-SFP-10 can be EEPROM-coded for 80+ equipment brands. Each vendor

10GbE SFP+ Transceivers

These compact, hot-swappable modules are engineered to support 10 Gbps data rates, making them ideal for a wide range of applications, from enterprise data centers to creative studios and research

AOC, DAC, Fiber Optic Transceivers | One-Stop Shop

Automatic Assembly Line (DAC Cable) 10Gtek's automatic assembly line, assures the consistency of manufacture under the process of laser cutting, aluminum

4Pack SFP+ 10GBase-LR LC Module, SingleMode

The 4Pack SFP+ 10GBase-LR module stands out with its exceptional 10Gbps transmission speed, showcasing outstanding performance

SFP+ Transceiver 10G Single LC Module

GET brand new optical transceiver whit wholesale price at 10Gtek Store, 10G SFP+ (DOM, BiDi 10km SMF Single LC) modules online sale.

SFP+ Optical Transceiver Modules (10G-SR/LR)

Genuine Amphenol 10GBASE-SR SFP+ Optical Transceiver Modules provide a high-density, high-performance interface for 10-Gigabit Ethernet and Fibre

Industrial Gigabit Fiber SFP Optical Transceiver

Compatibility in your network is everything, and this industrial SFP Transceiver Module delivers. Use it with any Intellinet SFP equipped network switch or any

optical transceiver sfp+ 10g single mode module

Upgrade networks with our optical transceiver sfp+ 10g single mode module 1310nm 10km lc. This LC transceiver delivers effortless 10km connectivity for data

Single Mode 10G SFP+ Module: Price, Types & Buying Guide

Explore single mode 10G SFP+ modules, including LR, ER, and ZR types. Compare prices, distances, and compatibility to choose the right module.

10GbE SFP+ Transceiver Modules

FS 10G SFP+ transceiver module solutions provide a wide variety of reliable 10 Gigabit Ethernet connectivity options for data centre, enterprise, and service

Contact Us

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