Price of a 10GbE Optical Module



Overview

10G SFP Price Guide: How Much Does a 10G SFP Module CostLearn the latest 10G SFP price ranges, key cost factors, brand comparisons, and how to buy reliable.

Key Takeaways

The price of a 10G optical module typically ranges from $10 to $300, depending on type, distance, and brand.

Price Range and Factors

The cost of a 10G SFP+ module varies widely: Short-Range (SR) Multimode Modules: Usually at the lower end of the price spectrum, around $10–$50, suitable for distances up to 300 meters using multimode fiber.

Long-

Range (LR) Single-Mode Modules: Priced higher, often $100–$300, supporting distances up to 10 km with single-mode fiber. Brand Influence: Modules from major vendors like Cisco, HP, or Brocade are often more expensive due to branding, support contracts, and vendor lock-in, even if functionally similar to compatible third-party modules. Transmission Distance and Optical Technology: Longer distances and higher optical power requirements increase cost.

L

R modules require tighter manufacturing tolerances, contributing to higher prices.

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

Practical Considerations

Compatibility: Ensure the module matches your switch or router specifications. Compatible modules can offer significant savings without sacrificing performance. Power Consumption: Most 10G SFP+ modules consume less than 800 mW, but this can vary slightly by model.

Use Case: Data center deployments often favor SR modules for cost efficiency, while backbone or enterprise links may require LR modules for longer distances. In summary, for a standard 10G optical module, you can expect to pay $10–$50 for SR multimode modules and $100–$300 for LR single-mode modules, with branded options potentially costing more. Choosing the right module depends on your network distance requirements, compatibility, and budget.

Article Content

10G SFP Price Guide: How Much Does a 10G SFP Module Cost

Learn the latest 10G SFP price ranges, key cost factors, brand comparisons, and how to buy reliable 10G SFP modules at the best value.

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 wiring closets, Internet Service

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.

10G SFP+ Optical Transceivers | Transceiver Modules

Get cost-effective 10G SFP+ transceivers at QSFPTEK online store for data center and campus 10GbE connectivity. QT SFP+ include 10GBASE-SR/LR/ER/ZR, from 30m to 80km.

Ubiquiti 10Gbps Multi-Mode Optical Module 2-Pack for

The 10 Gbps Multi-Mode Optical Module, model UACC-OM-MM-10G-D-2, from Ubiquiti is a high-performance, dual-rate optical transceiver designed for use in

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

Optical Transceiver Pricing: Cost Ranges by Speed and Type

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

This article compares typical cost ranges across speeds and transceiver types, explains why prices vary, and gives practical guidance for choosing the right optics for a given budget and performance

QSFP100G-LR4

ZYXEL QSFP28 Module For Data Networking, Optical Network - 1 x LC Duplex 100 Gigabit Ethernet Network - Optical Fiber - 1310 nm Wavelength - Single-mode - 100 Gigabit Ethernet100 Gbit/s - 10

10GbE NIC Cheat Sheet: Mellanox, Intel, Chelsio

Used 10GbE NICs for your homelab in 2026: which Mellanox, Intel, or Chelsio card to buy, which ones to skip entirely, and exactly why the X540 runs hot.

SFP Module Buying Guide: How to Choose the Right Transceiver

SFP modules (Small Form-factor Pluggable) are the standard interface for connecting fiber optic or copper cables to network switches, routers, and servers. With hundreds of variants

I replaced my copper links with SFP+ active optical cables, and I won''t ...

Those are intertwined anyway, as the rising temperatures of my 10GbE ports and modules are affecting the stability and reliability of my network. How much of an effect is harder to quantify.

What is a Active Optical Cable (AOC)?

Using DACs, the transition between the modules (here QSFP28) and the chips in the larger systems is copper to copper. On the active optical cable, we have the fixed optical pathways

AOC SFP+ cable CBO CBL-SFP+AOC-50M 50 m | AiO.lv

Short description Active Optical Cable (AOC) CBO CBL-SFP+AOC-50M, SFP+ form factor, 50 m length. Designed for high-speed 10GbE/SFP+ interconnects between switches, servers and storage, this

H3CSFP-XG-LX-SM1310-S 10G SFP+ Multi-mode Optical Module

SFP+ optical module is a new generation of 10 Gigabit optical modules. Compliant with the ANSI T11 protocol, it supports 10 Gigabit Ethernet (10GbE) applications. The SFP+ module is approximately

StarTech J9151D-ST HP J9151D Compatible SFP+ Module

The J9151D-ST is a HP J9151D compatible fiber transceiver module that has been designed, programmed and tested to work with HP brand switches and routers. It delivers dependable 10 GbE

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved

China Optical Transceiver Module & Mellanox Network Switch

China Optical Transceiver Module & Mellanox Network Switch Manufacturer NVIDIA Quantum-2 QM9700-NS2R 64-Port 400G InfiniBand Managed Switch Get Best Price

StarTech XBR-000180-ST Brocade XBR-000180 Compatible SFP+ Module ...

The XBR-000180-ST is a Brocade XBR-000180 compatible fiber transceiver module that has been designed, programmed and tested to work with Brocade brand switches and routers. It delivers

SFP Optical Transceivers: How Pluggable Optics Are Reshaping

2. What Is an SFP Optical Transceiver? An SFP transceiver is a compact, hot-swappable interface module designed to convert electrical signals from a network switch or router into optical

Contact Us

Continue your research online:

Website: https://cgweb.co.za
Technical inquiry: https://cgweb.co.za/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 CGWEB NETWORK INFRASTRUCTURE - All rights reserved