

Article Overview

FTTR SFP optical modules typically range from \$5 to \$300 per unit depending on speed, reach, and brand, with third-party compatible modules offering significant cost savings over OEM-branded units.

Price Ranges by Module Type

- o 1G SFP (1000BASE-SX/LX): Prices vary widely. Compatible third-party modules can cost \$5-\$25, while OEM-branded modules from Cisco, HPE, or Juniper may range \$60-\$120+ depending on specifications and industrial-grade features .
- o 10G SFP+: Compatible short-range (SR) modules are typically \$20-\$60, whereas OEM long-reach (LR/ER) modules can cost \$100-\$300+ .
- o 25G SFP28: Low-cost compatible modules can be under \$30 for volume purchases, while branded or specialized single-mode parts may reach several hundred dollars .
- o 40G/100G QSFP/QSFP28: Prices for compatible modules are generally 50-70% lower than OEM equivalents, with OEM units often costing hundreds of dollars per module .

Factors Affecting Pricing

- o Brand and OEM vs Compatible: OEM modules provide guaranteed compatibility and warranty but are significantly more expensive. Third-party compatible modules offer cost savings while maintaining interoperability if properly tested .
- o Reach and Laser Type: Modules with extended reach (LR, ER, ZR) or specialized lasers (EML, DFB) command higher prices. Short-reach multimode modules are the most economical .
- o Volume and Procurement: Bulk orders reduce per-unit cost. Urgent shipments or low-volume purchases may increase pricing due to logistics and lead time .
- o Digital Diagnostics and Coding: Modules with DOM/DDM support or vendor-specific coding for switches may carry a premium .

Practical Guidance

- o For FTTR deployments, short-reach SFPs are often sufficient, making compatible third-party modules a cost-effective choice.
- o Always verify switch/NOS compatibility and request test reports to ensure interoperability.
- o Consider bundling optics with cabling (AOC/DAC/MTP/MPO) to reduce total BOM costs . By balancing module type, reach, and vendor selection, FTTR SFP optical modules can be procured efficiently while minimizing CAPEX without compromising network performance.



FTTR SFP optical module SFP pricing

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your

Explore our comprehensive SFP optical module selection guide for 2025. Learn about

Why is there such a huge variability in SFP+ modules prices? I'm looking to buy a couple of SFP+ SM modules for a 10Gbit trunk I

SFP Module SFP module is a small form factor, compact, hot-pluggable optical transceiver, also called mini-GBIC. Our SFP module

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM

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

FS provides 1/2/4G transceivers modules in SFP form factor, supporting transmission distances from 100m to 120km over SMF/MMF

Upgrade your network infrastructure with versatile SFP modules. Discover options for 1G, 10G, and fiber optic standards to meet

FS SFP module solutions range from Fast Ethernet to Gigabit Ethernet speeds. fibre and copper SFP transceivers can be selected in

You ask: Which third-party SFP module manufacturer is reliable--and how do I compare

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data

You can use our optical transceivers as affordable alternative for SFP modules of leading vendors, without quality loss. Our products

SFP - small form factor - pluggable modules for various optical data communications such as Fast

SFP modules (1G/10G/100G) including types, compatibility.Cisco & Huawei compatible optical transceivers with factory pricing and

4.Use DAC/AOC where appropriate to avoid extra optics and patch-panel costs for short, fixed-length links.



FTTR SFP optical module SFP pricing

FS gigabit ethernet transceiver solutions provide fibre or copper options including 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T

Web: <https://www.supremeacademicresearch.co.za>

