SFP optical module current price

Overview

SFP Module Price: Strategic Cost Analysis and TCO FactorsBelow is a structured SFP module price comparison table reflecting current market averages for 202.

Key Takeaways

SFP optical module prices vary widely, from as low as $5 for basic compatible 1G modules to several hundred dollars for OEM or high-performance modules.

Typical Price Ranges1

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P Modules: Compatible or generic modules typically cost $5–$25, while OEM-branded modules (Cisco, HPE, Juniper) can range from $60–$120+ depending on specifications and industrial-grade features. 10G SFP+ Modules: Compatible 10G SR modules are usually $20–$60, whereas branded LR/ER or vendor-certified modules can cost $100–$300+. 25G SFP28 Modules: Low-cost compatible modules can be under $30 for volume purchases, while OEM single-mode or specialized modules may reach $200–$900.

40G QSFP+ Modules: Compatible SR4 modules are priced $40–$150, with high-end LR4 or WDM modules costing $300–$1,000+. 100G QSFP28 Modules: Entry-level short-reach compatible modules are relatively affordable, but carrier-grade DWDM or coherent long-haul modules are significantly more expensive.

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Factors Affecting Cost

Vendor Type: OEM modules are more expensive due to warranty, compatibility assurance, and brand premium, while third-party compatible modules offer cost savings but may require careful verification of electrical and optical compatibility. Fiber Type and Reach: Multimode fiber (MMF) modules for short distances are cheaper, whereas single-mode fiber (SMF) modules for long distances or extended temperature ranges are pricier. Module Specifications: Laser type, wavelength, optical power, and diagnostic features (DDM/DOM) influence pricing.

Modules with higher optical budgets or specialized features cost more. Market and Volume: Bulk purchases and competitive third-party suppliers can significantly reduce per-unit cost, especially for 1G–25G modules.

Practical Guidance

For short-reach enterprise links, compatible 1G or 10G modules are cost-effective. For data center uplinks or long-distance links, investing in OEM or certified modules ensures reliability and reduces risk of link failures. Always verify line rate compatibility, connector type, and fiber match before purchasing to avoid operational issues.

Overall, SFP module costs are highly variable, and choosing between OEM and compatible modules depends on the balance between budget constraints and network reliability requirements.

Article Content

SFP Module Price: Strategic Cost Analysis and TCO Factors

Below is a structured SFP module price comparison table reflecting current market averages for 2025. This data highlights the stark contrast between third-party MSA-compliant optics and branded OEM

Optical Transceiver Pricing: Cost Ranges by Speed and Type

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

SFP Module Types, SFP Transceiver Price List

FS SFP module solutions range from Fast Ethernet to Gigabit Ethernet speeds. fibre and copper SFP transceivers can be selected in connector type, fibre type and protocols to meet your requirements.

10G SFP+ Optical Transceivers | Transceiver Module

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FS provides 50/25/10/1G transceivers modules in SFP/SFP28/SFP56/QSFP28 form factor, supporting transmission distances from 30m to 160km over SMF/MMF

Buy Transceivers – SFP, SFP+, and QSFP Modules

SFP modules – selection and possible applications The SFP module (Small Form-Factor Pluggable or Mini GBIC (Gigabit Interface Converter)) is an optical transceiver module that is primarily used for

The Ultimate Guide to SFP Modules (2026): Types, Speeds

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Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right transceiver for Cisco, Juniper, and more.

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Best SFP Module Manufacturers 2025 | Price & Quality Guide SFP Module Manufacturers Price & Quality Guide If you manage a data center or an

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

The price of a 10G SFP+ module typically ranges from low double digits to several hundred dollars, and in some cases even higher. This wide gap is not random—it is mainly driven by transmission

100 Gigabit Ethernet

A networking device may support different PHY types by means of pluggable modules. Optical modules are not standardized by any official standards body but are in multi-source agreements (MSAs). One

SFP Module – Optcore

SFP module is a small form factor, compact, hot-pluggable optical transceiver, also called mini-GBIC. Our SFP module comply with the SFF-8472 MSA (Multi-Sourcing Agreement), CE, FCC, RoHS, and

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

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