

How much does an SFP industrial-grade optical module cost

Article Overview

Industrial-grade SFP optical modules typically range from \$60 to \$120+ per unit, depending on speed, reach, and vendor.

Price Overview

Industrial SFP modules, designed for extended temperature ranges and rugged environments, are generally more expensive than standard commercial SFPs. Low-end compatible 1G SFPs can cost around \$5-\$25, while industrial or OEM-branded modules often fall in the \$60-\$120+ range per unit, reflecting their durability and extended specifications. For 10G SFP+ modules, prices can increase further, especially for long-reach or DFB laser types.

Factors Affecting Price

- o Speed and Type: 1G, 10G, 25G, and higher-speed modules vary in cost; higher speeds typically cost more.
- o Reach: Short-reach (SR) modules are cheaper, while long-reach (LR/ER) modules are more expensive.
- o Temperature Range: Industrial modules supporting -40 to 85°C are priced higher due to ruggedized components.
- o Vendor: OEM modules from Cisco, Juniper, or HPE are more expensive than third-party compatible modules, which can offer cost savings without sacrificing interoperability.
- o Quantity: Bulk orders often receive discounts; for example, some vendors offer 5% off for orders of 10+ units.

Vendor Options

- o Intellinet offers industrial SFPs with metal housings, DDM/DOM support, and broad compatibility with MSA-compliant switches, priced in the industrial range.
- o Third-party manufacturers like QSFPTEK and WOLON provide cost-effective alternatives with rigorous testing and quality control, often at lower prices than OEMs.
- o Online marketplaces such as Alibaba list a wide range of SFP modules, including 1.25G, 10G, and 25G industrial-grade options, allowing price comparison and selection based on reach and compatibility.

Recommendations

For purchasing industrial-grade SFP modules:

- o Determine the required speed, reach, and temperature range.
- o Compare OEM vs third-party compatible modules for cost-effectiveness.



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- o Consider bulk purchasing to reduce unit cost.
- o Verify DDM/DOM support and MSA compliance to ensure network compatibility. By considering these factors, you can select industrial SFP modules that balance performance, reliability, and cost.

? What Is the Real Price Range of SFP Modules? The real price range of SFP modules spans from roughly \$10 for basic 1G third

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

Store.QSFPTEK 1G SFP transceivers provide wide selection for various Gigabit Ethernet applications, such as 100+ vendors

Industrial Gigabit Fiber SFP Optical Transceiver Module, 1000Base-EX (LC) Single-Mode Port, 40 km (25 mi.), Wavelength 1550 nm,

Discover what an SFP module is and how to choose the right one in 2026. Compare SFP, SFP+, and QSFP28. For the

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

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

Low-cost listings for 25G SR SFP28 modules can be under \$30 for volume purchases, while branded transceivers from major OEMs

Discover how to choose the right SFP module for your fiber optic network in 5 key steps: compatibility, environment, fiber type,

Compare SFP module prices, OEM vs third-party costs, and total cost of ownership (TCO). Learn what drives SFP pricing and how

Deploy software configurable line rates and modulation schemes for long-reach amplified DWDM systems or dark fiber systems.

Learn how to choose the right SFP module for your network and avoid common compatibility mistakes. This



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practical

Check SFP price from the latest Cisco price list 2022.

Cut SFP module costs by 70% without sacrificing quality. Compare Factory Direct vs. Distributor pricing for Cisco/HPE compatible

FS provides 50/25/10/1G transceivers modules in SFP/SFP28/SFP56/QSFP28 form factor, supporting transmission distances from

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