SFF optical module price range



Overview

Comparing sff module prices. You can easily wholesale quality sff module at wholesale prices on Made-in-China .

Key Takeaways

SFF optical modules typically range from $20 to several hundred dollars, depending on speed, distance, and manufacturer.

Overview of SF

F Optical ModulesSFF (Small Form-Factor) optical modules are compact, soldered transceivers designed for permanent integration onto PCBs in industrial equipment, routers, OLTs, and embedded systems. Unlike pluggable SFP or QSFP modules, SFF modules are not hot-swappable, which reduces mechanical complexity and can lower costs in high-volume deployments. They are widely used in applications where reliability, density, and long-term stability are more important than field replaceability.

Factors Affecting Cost

Data Rate and Performance: Modules supporting higher speeds (e.g., 1G, 10G, or multi-gigabit Ethernet) or longer transmission distances generally cost more. For example, a 155Mbps SFF module for 2km multimode fiber is marketed as affordable with a factory price and 5-year warranty. Transmission Distance and Fiber Type: Single-mode modules for long-range connections are more expensive than multimode modules for short distances.

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Brand and Quality: Branded modules from established manufacturers (e.g., LINK-PP, Cisco-compatible OEMs) often include certifications, warranties, and tested reliability, which increases cost. Third-party or generic modules can be cheaper but may vary in reliability. Application Requirements: Industrial-grade modules with enhanced temperature tolerance or error correction features are priced higher than standard modules for office or legacy networks.

Typical Price RangesEntry-level SFF modules (e.g., 155Mbps, short-range multimode fiber): approximately $20–$50 per unit. Standard 1G SFF modules for Ethernet or FTTH applications: roughly $50–$150, depending on fiber type and distance. High-performance or long-range SFF modules: can reach $200–$400 or more, especially for single-mode fiber or industrial-grade specifications.

Summary

The cost of SFF optical modules varies widely based on speed, distance, fiber type, brand, and environmental specifications. For embedded or industrial applications, soldered SFF modules offer a cost-effective, reliable solution compared to pluggable optics, particularly in high-volume or fixed-configuration systems. Buyers should consider both performance requirements and manufacturer reliability when selecting modules to balance cost and long-term operational stability.

Article Content

sff module Price

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SFF Transceivers

SFF transceivers are available with a variety of different transmitter and receiver types, allowing users to select the appropriate transceiver for each link to provide the required optical reach over the

SFF Transceivers Modules Types Prices & Technical Specifications

What is an SFF optical transceiver? An SFF transceiver is a Small Form Factor optical module used for data rates up to 2.5 Gbps in Ethernet, Fibre Channel, and SONET applications.

SFF Optical Modules

Shop our selection of SFF optical modules for reliable fibre channel communication. Enjoy high performance and robust construction for your data needs.

Understanding Single-mode and Multi-mode SFP Optical Modules

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A□SFP single-mode optical modules and SFP multi-mode optical modules are incompatible. If you mix SFP single-mode optical modules and SFP multi-mode optical modules, it may cause problems such

Tp-link optical module is the real king! 20km gigabit single ...

It''s not the equipment that''s faulty; it''s the "no-name module" you''re using. it can''t even handle a -27dbm receive threshold! the tp-link tl-sm312ls-20km, on the other hand, boasts a factory

Hilink Optics QSFP QSFPDD OSFP 10G SFP transceiver, Optical

If you have any questions about Hilink Optics CWDM DWDM QSFP QSFPDD OSFP 10G SFP transceivers,we will give the professional solutions to you.

What Is an SFP and How It Works Explained

SFP modules are essential components in networking, enabling high-speed data transmission in compact devices, provided everything is within 100 meters. For fiber optic connections, the options

Differences Between Optical Modules SFP, SFP+, CFP, XFP, QSFP?

At present, 40G optical module and 100G optical module price is too high, power consumption is too large, and 10G optical module rate can not meet the network demand, so 25G

Why is There Such a Huge Variability in SFP+ Module Prices?

· Fiber Optic SFP+ Modules: These can have much higher prices, especially for those supporting long-range connections or high-speed fiber standards like SR (Short Range), LR (Long

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

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

Berns gigabit sfp transceiver ⚡ Lc photoelectric conversion artifact ...

Have you ever experienced: the network cable in the computer room suddenly breaks in the middle of pulling, and the fiber optic interface does not match and you stare blankly; temporary

Cisco 10GBASE SFP+ Modules Data Sheet

A broad range of industry-compliant SFP+ modules for 10 Gigabit Ethernet deployments in diverse networking environments. Product overview

SFP Optical Module 1.25G Single Optical Fiber 20km

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This is a standard SFP optical module. It uses a single mode optical fiber and the speed rate can up to 1.25Gbps, transmission distance up to 20 km.

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20 Companies and suppliers for maldives-sff-optical-module-connector Find wholesalers and contact them directly Leading B2B martketplace Find companies now!

1G SFP Optical Transceivers | SX, LX, TX Modules

We provide three primary types of 1G SFP optical transceivers, each catering to distinct networking requirements: 1000BASE-SX (Short Wavelength): Designed for multimode fiber networks, SX

Understanding SFF Transceivers in Modern Networking

This compact, solderable SFF module is ideal for bidirectional fiber applications, transmitting and receiving signals on a single fiber strand for cost-effective fiber to the home (FTTH)

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.

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

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