SFP Industrial-Grade Optical Module Customization Price

Overview

Our 1G to 2.5G SFP MODULE solutions deliver exceptional reliability and cost-effectiveness for campus networks and branch interconnections, flawlessly supporting transmission distances up to 120km.

Key Takeaways

Custom industrial-grade SFP modules typically range from $50 to several hundred dollars per unit, depending on specifications, volume, and vendor customization requirements. Cost Factors1. Module Type and Performance: The type of SFP module—such as SR (Short Range), LR (Long Range), ER (Extended Range), or DWDM tunable modules—significantly affects cost.

Modules designed for longer distances or higher speeds (10G, 25G, or beyond) require more advanced optical components and testing, increasing the price. Industrial-grade modules with extended temperature ranges or enhanced environmental tolerance also cost more. 2.

OE

M vs Third-Party Manufacturing: OEM-branded modules carry a premium due to guaranteed compatibility, certifications, and vendor support. Third-party or compatible modules can reduce costs but may require additional validation to ensure reliability. Customization under OEM branding often involves extra configuration, coding, and testing, which adds to the cost.

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

3. Custom Features: Customization can include digital diagnostics monitoring (DDM), enhanced error correction, specific wavelength tuning, or industrial temperature ratings. Each additional feature increases production complexity and cost.

4. Production Volume: Higher volumes generally reduce per-unit cost due to economies of scale. Low-volume custom orders may incur setup fees and higher unit prices.

5. Lead Time and Supplier Selection: Urgent or small-batch orders can increase costs. Choosing a reliable supplier with transparent testing, coding compatibility, and fast shipping can optimize total cost of ownership while minimizing risk.

Estimated Price Range

Standard industrial SFP modules: $50–$150 per unitHigh-performance or long-range modules (LR/ER/DWDM): $150–$500+ per unitFully customized OEM modules with industrial features: $200–$600+ per unit, depending on volume and complexity RecommendationsDefine exact requirements (speed, distance, temperature range, monitoring features) to avoid over-specification, which unnecessarily increases cost.

Compare OE

M and high-quality third-party suppliers for price vs reliability. Request like-for-like quotes and verify coding compatibility and test reports before committing to a contract. Consider total cost of ownership rather than just unit price, including reliability, warranty, and support.

By carefully balancing performance requirements, volume, and supplier selection, organizations can optimize the cost of industrial-grade SFP module customization while ensuring network reliability.

Article Content

Optical Transceiver Manufacturer | 1G-800G Optics | Wolon

Our 1G to 2.5G SFP MODULE solutions deliver exceptional reliability and cost-effectiveness for campus networks and branch interconnections, flawlessly supporting transmission distances up to 120km.

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.

sfp price: Best Deals & Verified Suppliers

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Copper SFP+ modules (RJ45) typically cost 40% less than optical variants but have shorter reach. Integration capabilities should support major OEMs like Cisco, Juniper, and Huawei

SFP Module Price: Strategic Cost Analysis and TCO Factors

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

SFP Module Price

Find competitive sfp module prices for various optical transceivers. Our range includes 1.25G, 10G, and 25G modules with different reach and compatibility.

Choosing the Right 1G SFP Transceivers for Your Network Upgrade

The operating temperature range is a critical consideration, especially in environments with extreme temperature variations. Industrial 1G SFP modules are designed to withstand wider

SFP Modules: Types, Selection Guide & Applications

An SFP module is a compact, hot-swappable optical transceiver designed to facilitate data transmission between network devices such as switches, routers, servers, and media converters.

Gigabit SFP modules with fiber optic modes » buy online now

Overall, SFP modules with singlemode, multimode and single & multimode offer high flexibility for industrial networks. The right selection of these modules enables companies to optimally adapt their

sfp module

Customization on your Demand SULITON has a strong R&D team and rich practical case experience. SULITON has a very large production and sales volume of 10G

Fiber Optic Transceivers | SFP, QSFP & GBIC | High

Shop SFP, QSFP, and GBIC transceivers for Gigabit Ethernet over multimode and singlemode fiber. Hot-pluggable, scalable, and available in industrial and WDM

SFP Modules for Industrial Networks | Westward Sales

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Industrial-Grade SFP Modules for Seamless Connectivity Small Form Factor Pluggable (SFP) transceiver modules form the interface between fiber optics and devices like Ethernet switches,

1.25G SFP 550m□120km Optical Modules (Industrial Grade Optional)

Gigalight''s 1.25G SFP series transceiver modules are widely utilized in Gigabit Ethernet, concurrently compatible with 1G Fiber Channel and Synchronous Optical Network (SONET OC-24 / SDH STM-8),

Optical Transceiver Modules Prices & Specifications

What is Optical Transceiver Modules/SFP? Optical Transceiver Modules/SFP, also called fiber optic transceiver or optical transceiver, is a typically hot-pluggable device used in high-bandwidth data

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

SFP Optical Transceiver

Find here SFP Optical Transceiver, SFP Transceiver manufacturers, suppliers & exporters in India. Get contact details & address of companies manufacturing and supplying SFP

Ultimate Guide to 1G SFP Module Selection

In such cases, industrial-grade 1G SFP modules with extended operating temperature ranges (often -40°C to 85°C) are strongly recommended. Single-mode fiber optics, such as industrial 1000BASE-LX

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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

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

© 2026 ALFA PRO COMMUNICATION SYSTEMS (Pty) Ltd - All rights reserved