

Price of Customized Gigabit Optical Modules



AI Overview

Custom gigabit optical module prices vary based on specifications, volume, and customization requirements, with suppliers offering tailored solutions for 1G SFP modules.

Factors Affecting Custom Pricing

The cost of a custom gigabit optical module depends on several key factors:

- **Data Rate and Type:** Standard 1G SFP modules (1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T) have different price points depending on whether they are multimode or single-mode, and the required transmission distance (100m to 160km) .
- **Customization Level:** Modules can be customized for industrial-grade environments, extended temperature ranges (-40°C to $+85^{\circ}\text{C}$), EMI/ESD protection, and compatibility with specific brands like AVAGO/Broadcom .
- **Volume:** Bulk orders typically reduce per-unit cost, while small or prototype orders may be higher due to setup and testing requirements .
- **Testing and Certification:** Modules that undergo 100% functional and optical testing, and comply with CE/FCC/RoHS standards, may have higher costs .

Supplier Options

Several suppliers provide custom gigabit optical modules:



Article Content

SFP Module Price: Strategic Cost Analysis and TCO Factors

It also requires demystifying the physical parameters that dictate optical pricing—such as data transmission rates (e.g., 10GBASE

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Optical Module Procurement Guide

Shifts in pricing for optical modules will continue to be the result of technology advancements and changing market

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

200G/400G/800G Optical Transceiver Modules | FiberMall

200G/400G/800G optical module features up to 40km transmission distances using QSFP56/QSFP-DD footprints for data center

Cisco Transceiver Modules

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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

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SFP modules - selection and possible applications The SFP module (Small Form-Factor Pluggable or Mini GBIC (Gigabit Interface

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QSFP56 Price Guide 2026: What You'll Actually Pay | FiberMall

What Drives QSFP56 Price QSFP56 modules all deliver 200G-class bandwidth, but the bill of materials changes

SFP Module Price

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800G Optical Module Cost Analysis | TCO Optimization Guide

Complete guide to 800G optical module costs and TCO optimization for AI data centers. Includes pricing analysis,

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