

Network Optical Module Price Inquiry



Overview

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

Key Takeaways

Optical module prices vary widely, typically ranging from \$5 for basic 1G SFPs to several hundred dollars for high-speed 100G+ OEM modules, depending on type, brand, and reach. Typical Price Ranges

- 1G SFP Modules: Generic or compatible units can cost \$5–\$25, while branded OEM modules (Cisco, HPE, Juniper) range from \$60–\$120+ depending on industrial or extended temperature specifications .
- 10G SFP+ Modules: Compatible 10G SR modules often sell for tens of dollars, whereas OEM long-reach (LR, ER) modules can cost hundreds of dollars .
- 40G/100G QSFP Modules: High-speed modules for data centers, cloud, or AI clusters typically range from \$150–\$200 per unit on average, with specialized 400G/800G or 1.6T modules commanding higher prices due to advanced performance requirements .
- Custom or Bulk Orders: Manufacturers and distributors often provide discounted pricing for bulk purchases or OEM customization, which can significantly reduce per-unit costs .

Factors Affecting Pricing

- Brand and Vendor: OEM-branded modules are generally more expensive than third-party or compatible units due to quality assurance, warranty, and certification.

- **Speed and Reach:** Higher line rates (40G, 100G, 400G) and longer transmission distances (LR, ER, ZR) increase costs.
 - **Module Type:** SFP, SFP+, QSFP28, CFP, and CPAK modules differ in complexity and price.
 - **Market Trends:** Growing demand for AI, cloud computing, and high-density GPU clusters is driving up prices for high-speed optical modules .
 - **Tariffs and Supply Chain:** International tariffs and supply chain adjustments can introduce volatility in pricing .
- Practical Guidance
- For short-reach enterprise links, compatible 1G-10G modules are cost-effective.
 - For data center or AI workloads, investing in OEM 100G+ modules ensures reliability and performance.
 - Bulk purchasing or negotiating with distributors can reduce costs, especially for large-scale deployments .
 - Always verify compatibility with your network equipment to avoid operational issues. By considering module type, speed, brand, and intended use, you can select optical modules that balance performance, reliability, and cost efficiency.

Article Content

optical module Price

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China Optical Module, Optical Module Wholesale, Manufacturers, Price ...

The Optical Module is a premium choice in the Fiber Optic Equipment category. Buying in bulk can lead to significant cost savings.

China Optical Modules, Optical Modules Wholesale, Manufacturers, Price ...

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Optical transceivers for every network Industry standards-compliant designs from 1G to 400G speeds Optical Transceiver Modules

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

Optical Transceiver Modules, HUAWEI Cisco SFP SFP+ QSFP

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

Network Transceiver Modules

Buy Network Transceiver Modules from top brands like C2G, Black Box, Facilis and HPE Aruba Networking. Go to B&H for

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This article breaks down the real per-unit and total cost of ownership difference between OEM and compatible optical

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

