

Article Overview

Dual-Optic Modules typically range from \$20 to over \$500 per unit, depending on speed, brand, and reach.

Price Ranges

- o Low-end compatible modules: Generic or third-party dual-fiber SFP modules for 1G or 2.5G speeds can cost \$20-\$50 per unit, suitable for short-reach enterprise links or legacy ports (Amazon listings show 2.5G dual-fiber modules around \$25-\$40) .
- o Mid-range modules: Compatible 10G SFP+ or QSFP+ dual-optic modules often sell for \$50-\$150, offering higher performance and moderate reach for data center applications .
- o High-end OEM modules: Branded modules from Cisco, HPE, Juniper, or specialized long-reach modules (LR, ER, DFB) can exceed \$300-\$500+, providing guaranteed compatibility, extended temperature ranges, and longer link distances .

Factors Affecting Price

- o Speed and Bandwidth: Higher-speed modules (10G, 25G, 40G, 100G) cost more due to advanced optical components and DSP chips .
- o Reach and Fiber Type: Modules designed for longer distances (single-mode vs multi-mode) or with enhanced FEC support are priced higher .
- o Brand and Warranty: OEM-branded modules carry premium pricing for reliability and support, while third-party or compatible modules are cheaper but may have limited warranty .
- o Connector Type: Dual-MPO or dual-SC connectors can slightly increase cost due to manufacturing complexity .

Practical Guidance

- o For budget-conscious deployments, compatible dual-optic modules in the \$20-\$150 range are often sufficient for short- to medium-range links.
- o For mission-critical or long-distance applications, investing in OEM modules ensures reliability and compliance with vendor equipment.
- o Always verify compatibility with existing switches or routers to avoid operational issues. In summary, the price of a dual-optic module varies widely based on speed, reach, and brand, with typical market ranges from \$20 for basic 1G/2.5G modules to \$500+ for high-end 100G OEM modules .

WHAT'S NEW IN NEXTION EDITOR VER 1.68.1 o TouchCap component * o Support PNG Picture Resource * o Support Video,



Price of Dual-Optic Module

Get a price quote for Dual Output Fiber Coupled AOM Integrated Optical Module 400-1100nm directly from CSRayzer Optical

A cost-effective pair of 10G BiDi SFP+ modules for single-mode links up to 10 km, ideal for customers who need reasonable speed

Why Optical Transceiver Manufacturers Listed Below are for SFP Price Comparison First,

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

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

Due to differences in demand, there can be significant price variations when acquiring chips among optical module

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the

As fiber optic networks continue to evolve, selecting the right optical transceiver becomes increasingly important.

Coherent Diode Laser Components offer a broad wavelength range with scalable power levels. Choose

The selection of 10G SFP+ dual-fiber optical modules is a systematic project that requires comprehensive

With fiber-coupled integrated optical light modulators you can influence the amplitude or phase of laser light quickly and with high

The 4Pack SFP+ 10GBase-LR module stands out with its exceptional 10Gbps transmission speed, showcasing

FS 10GbE SFP+ module solutions provide a wide variety of 10 Gigabit Ethernet connectivity options for data centers, enterprise

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics

QSFP-100G Optical modules Features and benefits of Cisco QSFP modules Hot

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