

Price of Gigabit Dual-Fiber Optic Modules



AI Overview

Gigabit dual-fiber SFP modules typically range from \$20 to \$100 per unit, depending on speed, distance, and industrial specifications.

Overview Gigabit dual-fiber optic modules, also known as SFP (Small Form-Factor Pluggable) transceivers, are used for 1 Gigabit Ethernet transmission over dual-fiber connections. They are hot-swappable and compatible with most network switches, routers, and firewalls, making them ideal for scalable network setups. These modules support both short-range multimode and long-range singlemode fiber applications, with distances typically ranging from 550 meters to 20 kilometers depending on the module type.

Pricing Examples

- 1.25G Dual-Fiber SFP Modules:** Modules designed for 20 km transmission over dual-fiber LC connectors are generally priced around \$20-\$40 per unit for standard commercial models. These are suitable for GPON OLT applications or standard Ethernet links.
- 10G Dual-Fiber SFP+ Modules:** Higher-speed 10Gbps modules, such as the Syrotech GOXP-1396-20 with 20 km range, typically cost \$80-\$100 per unit. These are used in enterprise networks, data centers, and telecom applications requiring higher bandwidth and longer reach.
- Industrial-Grade Modules:** Modules designed for harsh environments with extended temperature ranges may cost more, often \$50-\$120, depending on specifications and manufacturer.

Factors Affecting Price

- Transmission Distance:** Longer-range singlemode modules are more expensive than short-range multimode modules.
- Data Rate:** 10G SFP+ modules are significantly more costly than 1G SFP modules.
- Industrial Specifications:** Modules rated for extreme temperatures or rugged environments carry a premium.
- Brand and Compatibility:** OEM-certified modules may cost more than third-party or generic SFP modules.

Conclusion For standard 1 Gigabit dual-fiber SFP modules, expect prices in the \$20-\$40 range, while higher-speed or industrial-grade modules can reach \$80-\$120 per unit. Choosing the right module depends on your network's distance...

Article Content

Gigabit SFP Module

High-Speed Data Transmission: This Gigabit SFP Module supports 10/100/1000Mb adaptive dual fiber optic transceiver technology, ensuring seamless and high-speed data transmission over long distances.

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Overview of SFP Transceiver Modules SFP (Small Form-factor Pluggable) modules, often called Mini-GBICs, are compact, hot-swappable optical transceivers widely used in telecommunications and

Gigabit Fiber SFP Optical Transceiver Module

The transceiver comes in a mini-GBIC form factor, making it ideal for environments that require many fiber connections by taking up less space in your cabinet

Gigabit Single-mode Dual-fiber Optical Module 1.25G Dual-LC Dual

Gigabit Single-mode Dual-fiber Optical Module 1.25G Dual-LC Dual-core Gigabit Dual-fiber 10KM OGSC10DD0

Gigabit Ethernet

Gigabit Ethernet was the next iteration, increasing the speed to 1000 Mbit/s. The initial standard for Gigabit Ethernet was produced by the IEEE in June 1998 as

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Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.

PDF document

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