Price of Single-Mode Gigabit Fiber Optic Transceivers



Overview

1G SFP Transceivers | Mini-GBIC SFP Modules Click to get your 1GBE transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterpr.

Key Takeaways

Gigabit single-mode SFP transceivers typically range from $15 to $50 per module, depending on distance, brand, and features. Pricing OverviewFS.com offers 1G single-mode SFP transceivers for distances from 10 km up to 160 km, with prices generally starting around $20–$40 per module depending on the model and wavelength. Mouser Electronics lists single-mode fiber optic transceivers with detailed datasheets and pricing, typically in the $15–$50 range, depending on manufacturer and specifications.

Lanshack provides long-distance 1G single-mode SFP transceivers supporting 10 km to 180 km, compatible with Cisco and other devices, with prices generally around $25–$45 per unit. Amazon offers single-mode SFP modules compatible with major brands like Cisco and Ubiquiti, with prices starting at approximately $20 per module, though prices vary by vendor and shipping. Fiber24 provides a wide selection of single-mode SFP transceivers, emphasizing hot-swappable modules for Gbit/s speeds, with pricing in the $20–$50 range depending on distance and connector type.



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Key Considerations

Distance Support: Modules vary from 10 km to 180 km; longer distances generally cost more. Connector Type: LC Duplex is most common; LC Simplex is available for specific applications. Compatibility: Ensure the transceiver is compatible with your network hardware (Cisco, Ubiquiti, Juniper, etc.).

Hot-

Pluggable: Most modules support plug-and-play installation without powering down equipment. Vendor Selection: Prices may vary slightly depending on vendor, warranty, and shipping options. For a precise quote, it is recommended to select the specific distance and connector type required and request a bulk or single-unit price from vendors like FS, Mouser, or Fiber24.

This ensures compatibility and the most accurate pricing for your deployment.

Article Content

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1 Gigabit Singlemode SFP Fiber Optic Transceivers

Our 1 Gigabit Singlemode SFP Transceivers offer high-performance, reliable connectivity for singlemode fiber optic networks. These transceivers are

Amazon : Single Mode Sfp

Discover high-performance single mode SFP modules for your network. Compatible with major brands like Cisco, Ubiquiti, and more.

50/25/10/1G Transceiver Modules | Optical Transceivers

FS provides 50/25/10/1G transceivers modules in SFP/SFP28/SFP56/QSFP28 form factor, supporting transmission distances from 30m to 160km over SMF/MMF

1G SFP Optical Transceivers | Transceiver Modules

Store.QSFPTEK 1G SFP transceivers provide wide selection for various Gigabit Ethernet applications, such as 100+ vendors compatibility, copper/fiber, SMF/MMF, 100m to 80km.

Amazon : Fiber Optic Transmitter And Receiver

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A Pair of 1.25G/s Bidi Gigabit Single-Mode Fiber Ethernet Media Converter with 2PCS Bidi SFP LC Transceiver Module Included, 10/100/1000Base-Tx to 1000Base-SX SMF RJ45 to SFP Slot up to 30KM

Optical Transceiver Pricing: Cost Ranges by Speed and Type

See practical price ranges for 1G–100G optical transceivers, DAC/AOC options, and why cost varies by speed, reach and technology — buying tips included.

What Is Fiber Optics? Definition from SearchNetworking

Learn how fiber optics works and why fiber is a common alternative to copper cabling. Also explore the advantages and disadvantages of optical fiber.

F-SFP1G-SM

1GBASE-LX/LH SFP 1310NM 20KM DOM TRANSCEIVER — SINGLE MODE FIBER – 1EA The F-SFP1G-SM single-mode transceivers are small form factor pluggable modules for bi-directional serial

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10 Best Fiber Optic Media Converters (May 2026) Expert Reviews

A Pair of 1.25G/s Bidi Gigabit Single-Mode Fiber Ethernet Media Converter with 2PCS Bidi SFP LC Transceiver Module Included, 10/100/1000Base-Tx to 1000Base-SX SMF RJ45 to SFP

Fiber Optic Connectivity Market Share & Forecast, 2026-2033

The single-mode fiber segment is expected to account for 46.0% of the global fiber optic connectivity market share in 2026. The single-mode fiber is the most popular because it can carry

10 Gigabit Ethernet

Optical fiber A Foundry Networks router with 10 Gigabit Ethernet optical interfaces (XFP transceiver). The yellow cables are single-mode duplex fiber optic connections. There are two basic types of

Gigabit single-mode single-core fiber optic module

The general parameters and basic knowledge of Gigabit optical transceivers are difficult to master. The following will introduce the general parameters of the optical module and the basic

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Black Box Fiber Optic Duplex Patch Network Cable

Black Box''s Connect line of general-purpose OS2 9/125 single-mode cabling is constructed to meet or exceed TIA/EIA industry standards, providing you the functionality you need without the premium

XFP transceiver

Intel XFP Transceiver (MultiMode Fiber Optics) The XFP (10 gigabit small form-factor pluggable) is a standard for transceivers for high-speed computer network and telecommunication links that use

1G SFP LX 1310nm 20km Single mode Transceiver

Generic SFP-1G-LX Compatible 1000BASE-LX/LH SFP 1310nm 10km-20km Transceiver supports 1G gigabit Ethernet throughput over singlemode fiber (SMF) with LC connector.

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

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