

Price of a rational single-mode fiber optic transceiver



Summary of Content

Single-mode fiber optic transceivers typically range from \$15 to \$150 per module, depending on data rate, distance, and brand.

Typical Pricing

- Entry-level 1G SFP transceivers for short to medium distances (up to 10 km) generally cost \$15-\$50 per unit, suitable for standard Gigabit Ethernet applications (FS, Stordis, Amazon) .
- Higher-performance or long-range modules (10 km to 80 km or more) with enhanced compatibility and reliability can range from \$50-\$150, often from brands like Finisar, Cisco-compatible modules, or FS .
- Specialized transceivers supporting 10G, 25G, or 50G data rates, or extended distances up to 160 km, may exceed \$150-\$300, depending on form factor (SFP+, SFP28, QSFP28) and vendor .

Factors Affecting Price

- Data Rate: Higher-speed modules (10G, 25G, 50G) cost more than 1G SFPs.
- Transmission Distance: Modules designed for long-range single-mode fiber (10 km-160 km) are more expensive.
- Brand and Compatibility: OEM modules from Cisco, Finisar, or Ubiquiti are priced higher than generic or third-party modules.

Article Content

1 Gigabit Singlemode SFP Fiber Optic Transceivers | Long-Distance

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

Singlemode Fiber Optic Cables – Mouser

Singlemode Fiber Optic Cables are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Singlemode

Differences Between Single-mode & Multimode Fiber Optic Transceivers ...

A single-mode fiber transceiver is a type of optical transceiver module, which is a self-contained component that can

Amazon : Single Mode Sfp

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

SFP Transceiver Single Mode: High-Performance Solutions

An SFP (Small Form-Factor Pluggable) transceiver single mode LC module is a compact, hot-swappable device used in networking

[Product Hub] Single Mode SFP Transceiver | Optcore

Single Mode SFP Module The single mode SFP module is one of the most common SFP transceiver

Multimode Cabling Cost vs. Single-mode Cabling Cost

Fabrication methods for VCSEL based transceivers that are optimized for use with multimode fibers are more easily

Amazon Best Sellers: Best Fiber Optic Transceivers

Discover the best Fiber Optic Transceivers in Best Sellers. Find the top 100 most popular items in Amazon Industrial & Scientific Best

Single-mode vs. Multimode Transceivers: How Do You Choose?

Most fiber systems use a transceiver, which combines a transmitter and receiver into a single module, using fiber

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

SFP Module Prices Comparison by Top 5 SFP

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

Optical Transceiver Modules Prices & Specifications

What is Optical Transceiver Modules/SFP? Optical Transceiver Modules/SFP, also called fiber optic

Buy Transceivers - SFP, SFP+, and QSFP Modules

Here you can find SFP, GBIC and all other types of modules for multi-mode as well as single-mode fiber-optics, and even Copper

Singlemode Transceivers Fiber Optic Transmitters, Receivers ...

Mouser offers inventory, pricing, & datasheets for Singlemode Transceivers Fiber Optic Transmitters, Receivers, Transceivers.

Key Points to Consider When Choosing a Fiber Optic Transceiver

Fiber optic transceivers are critical components in modern network infrastructure, enabling the conversion of electrical

How Much Do Single-Mode Fiber Optic Cables Cost?

Several aspects contribute to the pricing of single-mode fiber optic cables. The construction type, such as plenum

Singlemode SFP Transceivers Fiber Optic Transmitters, Receivers ...

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Single Mode SFP Fiber Module

Single Mode SFP Fiber Module is a cost effective way to connect a single network device to a wide variety of fiber cable distances

Single Mode Single Core SFP Transceiver

Discover single mode single core SFP transceivers with 1.25G speed, SC/LC connectors, up to 80km reach, CE

Syrotech SFP 1.25G 120KM BiDi Single Mode Fiber

BIDI-1.25G-SFP-120-BD SFP Single Fiber optical transceiver is multi-purpose module used in number of

Fiber Optic Transceiver Modules | Optoelectronics

Shop DigiKey's large in-stock selection of Fiber Optic Transceiver Modules. View inventory, pricing and

SFP Module Price

Find competitive sfp module prices for various optical transceivers. Our range includes 1.25G, 10G, and 25G modules

What Is A Single-Fiber BiDi Transceiver?--ETU-LINK

When planning a fiber optic network, one key decision is choosing between single-fiber (BiDi) and dual-fiber optical transceivers. This

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1 Gigabit Singlemode SFP Transceivers Our 1 Gigabit Singlemode SFP Transceivers offer high-performance, reliable connectivity for

Single -mode fiber transceiver

Single-mode optical fiber transceivers are an essential component in fiber optic communication systems, which

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High-performance single mode SFP transceivers for long-distance networking applications. Find the perfect SFP module for your

Contact Us

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