

Fiber Optic Transceiver Connector Price List



AI Overview

Fiber optic transceiver connectors typically range from \$20 to over \$1,000 depending on type, speed, and application. Overview of Pricing Fiber optic transceiver modules vary widely in price based on form factor, data rate, wavelength, and connector type. Common types include SFP (Small Form-Factor Pluggable), SFP+, QSFP, QSFP28, and CFP. Prices generally follow these trends:

- SFP modules (1G): \$20–\$100 for standard single-mode or multi-mode connectors.
- SFP+ modules (10G): \$50–\$200 depending on distance and wavelength.
- QSFP/QSFP28 modules (40G–100G): \$150–\$600 for multimode, \$300–\$1,000+ for single-mode long-range.
- High-speed modules (200G–400G): Can exceed \$1,000, especially for enterprise or data center applications.

Factors Affecting Price

- Connector Type: LC, SC, MPO, or RJ45 interfaces influence cost. LC connectors are common for SFP modules, while MPO is used for high-density QSFP modules.
- Data Rate: Higher-speed modules (10G, 25G, 100G, 400G) are more expensive due to advanced optics and signal processing.
- Distance and Wavelength: Single-mode modules for long-distance transmission cost more than multimode modules for short-range links.
- Brand and Compatibility: OEM-certified modules from Cisco, Juniper, or Arista are priced higher than generic or third-party modules.
- Volume and Availability: Bulk purchases or in-stock availability can affect pricing, with distributors like DigiKey, Mouser, and FS.com offering real-time stock and pricing.

Purchasing Options

- DigiKey: Offers a wide range of SFP, QSFP, and XFP modules with real-time pricing and same-day shipping.
- RS Components: Focuses on SFP modules with LC connectors for single-mode and multimode fiber.
- Mouser Electronics: Provides detailed datasheets and pricing for SFP fiber optic transmitters, receivers, and transceivers.
- FS.com: Offers modules from 100M to 800G with nearb...

Article Content

Optics and Transceivers | Fiber Optical Transceivers

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Fibre Optic Transmitters, Receivers, Transceivers – Mouser Europe

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

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Optical Transceiver Modules Prices & Specifications

What is Optical Transceiver Modules/SFP? Optical Transceiver Modules/SFP, also called fiber optic transceiver or optical transceiver, is a typically hot-pluggable

Telecommunications Industry Association

The Telecommunications Industry Association (TIA) advances high-speed networks and next-generation Information and Communications Technology (ICT) innovation.

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200G/400G/800G Optical Transceiver Modules | FiberMall

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

Fiber Optic Connectors – Mouser

Mouser offers inventory, pricing, & datasheets for Fiber Optic Connectors.

Fiber Optic Connectors – Mouser

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

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Fibre Optic Transceivers | RS

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Ultimate Guide to SFP+ Modules: Types, Applications,

SFP+ transceiver modules are an advanced iteration of the Small Form-factor Pluggable (SFP) interfaces designed to support faster data rates

Transceivers, optical modules

Transceivers are essential components of every fiber optic network. They enable fiber optic transmission through one strand of fiber (simplex) or a pair of strands (duplex), as well as via CWDM and DWDM

SFP Fiber Optics - Mouser

SFP Fiber Optics are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for SFP Fiber Optics.

Contact Us

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