Fiber optic transceiver price single mode



Overview

Amazon.com: Single Mode SfpDiscover high-performance single mode SFP modules for your network. Compatible with major brands like Cisco, Ubiquiti, and more.

Key Takeaways

Single-mode fiber optic transceivers typically range from $15 to $150 per unit, depending on distance, data rate, and brand compatibility. Price OverviewSingle-mode fiber optic transceivers, such as 1G SFP modules, are available for various distances and applications. Entry-level transceivers for short distances (up to 10 km) generally cost around $15–$30, while long-distance models (up to 180 km) can range from $80 to $150 or more, depending on wavelength and manufacturer compatibility (e.g., Cisco, Ubiquiti).

Factors Affecting Price

Distance and Wavelength: 1310nm transceivers typically cover 10–100 km, while 1550nm models can reach up to 180 km, with longer-distance units costing more. Data Rate: Standard 1G SFP modules are less expensive than 10G or higher-speed transceivers. Connector Type: LC Duplex and LC Simplex connectors are common; duplex models may be slightly more expensive due to dual fiber strands.

Brand Compatibility: Transceivers compatible with major brands like Cisco or Juniper may carry a premium price.

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Where to Buy

Mouser Electronics: Offers a wide range of single-mode transceivers with datasheets and pricing. Amazon: Provides high-performance single-mode SFP modules compatible with multiple brands. Fiber24: Specializes in single-mode transceiver modules with various models for different network needs.

Lanshack: Focuses on 1G single-mode SFP transceivers for long-distance applications, supporting 10–180 km.

Summary

For most standard networking applications, expect to pay $15–$50 for short-range single-mode SFP transceivers and $80–$150 for long-range or brand-specific models. Prices vary based on distance, wavelength, data rate, and compatibility, so selecting the right transceiver depends on your network requirements and hardware.

Article Content

Fiber Optic Transceiver Modules | Optoelectronics

Shop DigiKey''s large in-stock selection of Fiber Optic Transceiver Modules. View inventory, pricing and order now for same day shipping!

Single Mode Fiber Transceivers – Fiber Savvy

Fiber Savvy has you covered when it comes to quality Single Mode Fiber Transceivers. Single Mode Fiber Optic Transceivers are essential components in high-speed, long-distance data transfer networks.

1G SFP Transceivers | Mini-GBIC SFP Modules

FS gigabit ethernet transceiver solutions provide fibre or copper options including 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T etc., from 100m to 160km, for

Buy Transceivers – SFP, SFP+, and QSFP Modules

Transceiver Modules SFP Transceiver Modules Here you can find SFP, GBIC and all other types of modules for multi-mode as well als single-mode fiber-optics, and even Copper Ethernet (1000Base-T

H!Fiber 10G Single Mode SFP+ LC Module, 10GBase

H!Fiber offers one-stop Datacenter solution and products, including SFP Transceivers, DAC Cables, Network Card, Media Converters, Fiber Optical

LC Singlemode Fiber Optics – Mouser

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

Single-mode transceiver, Single-mode transceiver module

Single - Mode Fiber-Optic Transceiver /Modem Improve safety, signal integrity, and reliability by using two optical fibers instead of wire to transfer bidirectional serial data using single - mode ...

Syrotech SFP 1.25G 120KM BiDi Single Mode Fiber Optical Transceiver ...

BIDI-1.25G-SFP-120-BD SFP Single Fiber optical transceiver is multi-purpose module used in number of different places of today''s networking. Consequently, most popular applications are Internet Service

SFP Module Prices Comparison by Top 5 SFP Manufacturers 2023

Why Optical Transceiver Manufacturers Listed Below are for SFP Price Comparison First, pick up the most relevant optical transceiver manufacturers of the same occupation by

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 optic technology to send and receive data over an optical network: The

1 Gigabit Singlemode SFP Fiber Optic Transceivers | Long-Distance

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

ipolex Gigabit Single-Mode LC Fiber to Ethernet Media ...

About this item Seamless Conversion of LC Fiber to Copper – This fiber optic to ethernet media converter kit includes a single mode 1000BASE-LX SFP module (1310nm), which enables you to convert 1000BASE-LX Duplex LC fiber to 10/100/1000 Base-T RJ-45 copper media or vice versa.

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

The transmission distance of multimode fiber optic transceiver is less than that of the single-mode transceiver due to dispersion. What Are Their Differences?

Amazon : Fiber To Ethernet Converter

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

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Fiberfix 1.25G (20Km) 1310nm Single Mode Dual Fiber LC SFP

The Fiberfix 1.25G Single Mode Dual Fiber LC SFP Module (1310nm, 20KM) is a high-performance optical transceiver designed for reliable Gigabit Ethernet connections over long distances up to

Fiber Optic Products: Industrial & Scientific

Sky/Ground End Drone TTL Fiber Optic Transceiver, 1CH Video to UART SBUS FPV Module, 20KM, SOP-2 for FPV UAV Fiber to Ethernet Media Converter, Gigabit Single Mode SFP LC Converter,

Single Mode vs. Multimode Fiber: Core Differences and Selection Guide

How do you choose between single mode and multimode fiber? Compare their differences in core size, light source, bandwidth, transmission distance, and cost to identify the right application.

1G SFP LX 1310nm 20km Single mode Transceiver

Featuring a built-in Semtec chip and reliable FP laser / PIN receiver, the SFP module delivers low power consumption and stable optical links for 1G single

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African project coordination: Century City, Cape Town, Western Cape, South Africa

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

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