

Fiber Optic Transceiver 1 Optical 1 Electrical Single Mode



Overview

A single mode SFP transceiver is a hot-swappable optical module designed to transmit and receive data over single mode fiber (SMF). It is commonly used in Ethernet and fiber optic networking equipment such as switches, routers, and media converters. By converting electrical signals into optical signals—and vice versa—SFP. Pricing (USD) Filter the results in the table by unit price based on your quantity. With its fixed configuration, deployments are just plug-and-play, The Fiber optical supports both multimode (SX) or single-mode.



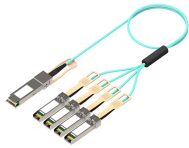
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Improve safety, signal integrity, and reliability by using two optical fibers instead of wire to transfer bidirectional serial data using single-mode optical fiber.



Fiber optic transmission systems (datalinks) all work similar to the diagram shown above. They consist of a transmitter on one end of a fiber and a receiver on the other end.



Brand Name: HGunet Place of Origin: Guangdong, China Warranty Time: 1 year Port: 1 Power - Minimum Receivable: 1.5dbm Frequency Range: 1 Show more



Click to get your 10G SFP+ transceiver modules from nearby warehouses. 30-Day Free Return. Trusted by 260K+ Enterprise Users.



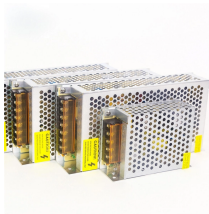
The Gigabit stand-alone Ethernet Media Converter that provides cost effective, entry-level media conversion between 1x10/100/1000Base-TX ports and 100/1000Base-FX ports. With its fixed ...



A fiber optic transceiver (also called an optical transceiver) is a compact module that both transmits and receives data signals through optical fibers. It serves a dual purpose — transmitting ...



Learn what a single mode SFP transceiver is, how it works, key specs, common types, and real-world use cases for long-distance fiber optic networks today.



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



Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the right transceiver for Cisco, Juniper, and more.



Single-Mode and Multi-Mode Fiber Transceiver Types This distinction is more about the optical fiber cabling used in a network than the transceiver technology itself.

Contact Us

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