# Single-module fiber optic transceiver module




## Overview

A single mode SFP transceiver is an optical module that uses laser-based transmission over single mode fiber to deliver long-distance, high-speed data communication, typically at 1310nm or 1550nm wavelengths. SFP (Small Form-factor Pluggable) transceivers are essential components in modern fiber optic networks, enabling network devices such as switches, routers, and servers to transmit and receive data over optical fiber. By converting electrical signals into optical signals—and vice versa—SFP. Singlemode Fiber Optic Transmitters, Receivers, Transceivers are available at Mouser Electronics. Use the compatibility tool to check switch compatibility. FS can provide a wide range of solutions and design for unique needs. Provides seamless and flexible supply to respond to urgent and unpredictable demand worldwide.

## Article Content

Single Mode SFP Transceiver: Complete Guide Explained

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

Singlemode Fiber Optic Transmitters, Receivers, Transceivers

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

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Optics and Transceivers | Fiber Optical Transceivers

FS offers a growing portfolio of optical transceivers, with speed range from 100M, 1G, 10G, 25G, 40G, 50G, 100G, 200G, 400G to 800G and beyond. The fiber

SFP Transceiver Single Mode: High-Performance

What is an SFP Transceiver Single Mode LC Module? An SFP (Small Form-Factor Pluggable) transceiver single mode LC module is a compact, hot-swappable

Amazon : Single Mode Sfp

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

Altronix Products

Altronix P1SM10 are hot-pluggable SFP fiber transceiver modules and are readily usable with all Altronix Spectrum fiber optic equipment for 1G transmission rates.

Small Form-factor Pluggable

Quad Small Form-factor Pluggable (QSFP) transceivers are available with a variety of transmitter and receiver types, allowing users to select the appropriate

1 Gigabit Singlemode SFP Fiber Optic Transceivers

These Singlemode SFP Transceivers are designed to meet the needs of various network applications, from data centers to enterprise and telecom networks.

Cisco GLC-LH-SMD Compatible SFP Module

Cisco GLC-LH-SMD Compatible SFP Module - 1000BASE-LH - 1GbE Single Mode Fiber SMF Optic Transceiver - 1GE Gigabit Ethernet SFP - LC 20km - 1310nm -

StarTech J9151A-ST HPE J9151A Compatible SFP+ Module

StarTech J9151A-ST HPE J9151A Compatible SFP+ Module 10GBASE-LR 10GbE Single Mode Fiber Optic Transceiver | NEW FACTORY SEALED

What Is an SFP Module? — Complete Guide to SFP, SFP+ & SFP28

An SFP (Small Form-factor Pluggable) is a compact, hot-pluggable transceiver module that allows networking equipment — including switches, routers, servers, and media converters — to

StarTech MSA Uncoded Compatible SFP Module

Buy StarTech MSA Uncoded Compatible SFP Module - 100BASE-LH - 100MbE Single Mode Fiber (SMF) Optic Transceiver - 100Mb Ethernet SFP - LC 80km - 1550nm - DDM (SFP100BLHST) online

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Single Mode vs Multimode Fiber, What is The

Learn the key differences between single mode vs multimode fiber cables and choose the right one for your fiber optic system.

Startech Dell EMC QSFP-40G-LR4 Compatible QSFP+ Module,

Buy Startech Dell EMC QSFP-40G-LR4 Compatible QSFP+ Module, 40GBASE-LR4, 40GbE Single Mode (SMF) Fiber SMF Optic Transceiver, 40GE Gigabit Ethernet QSFP+, LC Connector, 10km,

XG-SFP-LR-SM1310 10GBASE-LR SFP+ 1310-nm 10-km DOM

The XG-SFP-LR-SM1310 is aligned to IEEE 10GBASE-LR optical specifications and supports a link length of up to 10 kilometers over a single-mode fiber (SMF) with an LC connector. It adopts the

Optic Modules Datasheet

4 Optic Modules Data Sheet ... SFP (form factor) = small form-factor pluggable transceiver SMF (media) = single-mode fiber-optic MMF (media) = multimode fiber-optic XFP (form factor) = 10-gigabit small

StarTech HP JD119B Compatible SFP Transceiver Module

StarTech HPE JD119B Compatible SFP Module - 1000BASE-LX - 1GbE Single Mode (SMF) Fiber Optic Transceiver - 1GE Gigabit Ethernet SFP - LC 10km - 1310nm - DDM HPE 5900, 12500, 5500

1.25G Single Mode Dual Fiber SFP LC Module 1310nm 20KM Fiber Optic ...

Key attributes Type LC Use Indoor Model Number SM1013 Brand Name SMITON Place of Origin Guangdong, China Warranty Time 1 year Product name 1.25G Single Mode Dual Fiber SFP LC

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

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