

# Fiber Optic Transceiver Single-Mode Single-Port



## 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. Create a link from 1 m to 23 km in length using SEL-2829 Fiber-Optic Transceivers. Transfer data at rates up to 40 kbps. Using the DDM functionality, which is fully integrated into WeOS, it is possible to monitor parameters such as. Optical and copper models can be used on a wide variety of Cisco products and intermixed in combinations of 1000BASE-T, 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-EX, 1000BASE-ZX, or 1000BASE-BX10-D/U on a port-by-port basis.



## Article Content

Single Fiber Media Converter | 10/100TX-100FX Single Fiber

Single Fiber Media Converters Versitron's single fiber media converters efficiently convert Ethernet signals into optical signals using

SFP Transceivers Explained

1000BASE-LH SFP operates a distance up to 70km over single-mode fiber. 1000BASE-LX/LH SFP can operate on

1 Gbit/s Singlemode SFP Transceivers | Westermo

High-bandwidth Westermo 1 Gbit/s singlemode SFPs for 9/125 µm fibre. Available in 10 to 110 km variants for industrial use. View

Single Mode SFP vs Multimode SFP: What the Differences Are

A single-mode SFP is specially used with the 9/125µm single-mode fiber (SMF) but can not be used with multimode

Single Fiber vs Dual Fiber Transceivers Understanding

In fiber optic communication systems, optical transceivers play a critical role in ensuring

Intro to Networking

Multi-Mode Fiber Back to Top The key difference between Multi-Mode (MM) and Single-Mode (SM) fiber optic cable is the core

Industrial GbE Fiber SFP Optical Transceiver Module

Compatibility in your network is everything, and this industrial SFP Transceiver Module delivers. Use it with

1 Gigabit Singlemode SFP Fiber Optic Transceivers

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

Elfcam®

Elfcam® - 2 Pack 1.25 Gbps SFP Transceiver Module 1310nm 10km, Single Mode Duplex LC/UPC Optical Fiber Port OS2,

Singlemode SFP Transceivers Fiber Optic Transmitters, Receivers ...

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

SEL-2829 Single-Mode Fiber-Optic Transceiver/Modem

Connect a pair of transceivers and an SEL-C809 Single-Mode Fiber-Optic Cable with ST connectors for EIA-232 communication

## 1 Gigabit Singlemode SFP Fiber Optic Transceivers | Long-Distance

Achieve long-distance, high-performance connectivity with 1G singlemode SFP transceivers. Ideal for network upgrades and

## Single Mode Fiber Transceivers – Fiber Savvy

Single Mode Fiber Optic Transceivers are essential components in high-speed, long-distance data transfer networks. Their ability to

## Single Mode SFP Transceiver: Complete Guide Explained

In this guide, you will learn what a single mode SFP transceiver is, how it works, the key specifications and types available, and

## Single Fiber Bidirectional SFP Transceivers

Single Fiber Bidirectional SFP transceivers use simplex single-mode fiber to double the bandwidth, data rates up to 4G and

## Fiber Optic Cable Types Explained

Our comprehensive guide to types of fiber optic cables. Learn all about the differences between single mode and multimode cables,

## Difference Between Single vs Dual Fiber Optical Transceivers

1-From the appearance: They differ in the number of ports. The dual type has two ports, while the single type has just one. 2-About

## SFP Transceiver Single Mode: High-Performance Solutions

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

## Singlemode Transceivers Fiber Optic Transmitters, Receivers ...

Singlemode Transceivers Fiber Optic Transmitters, Receivers, Transceivers are available at Mouser Electronics. Mouser offers

## Singlemode Fiber Optics – Mouser

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

## 1G SFP LX 1310nm 20km Single mode Transceiver

Generic SFP-1G-LX Compatible 1000BASE-LX/LH SFP 1310nm 10km-20km Transceiver supports 1G gigabit Ethernet throughput

## Cisco SFP Modules for Gigabit Ethernet Applications

The 1000BASE-ZX SFP operates on standard single-mode fiber-optic link spans of up to

The Ultimate Guide to SFP Modules (2026): Types, Speeds

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM

Single -mode fiber transceiver

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

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

SEL-2830 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

Singlemode: Transceiver Lösungen & Einsatzbereiche

Singlemode Transceiver: Das sind die Einsatzbereiche Durch den zunehmenden Ausbau von Glasfasernetzen erhöht sich auch der

Gigabit Fiber SFP Optical Transceiver Module

The transceiver is available as a mini-GBIC form factor, making it ideal for environments that require many

## Contact Us

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