

100Mbps Single-Fiber Single-Mode Optical Module Specifications



Overview

Designed to operate on single-mode fiber (SMF), with a maximum distance of 20 km, optical budget of 14dB, SC connector, and a Tx/Rx wavelength of 1550/1310nm. Compliant with the SFF-8431 Multisource Agreement (MSA) recommendations. A single-mode optical module with an SFP form factor for Fast Ethernet, compliant with the 100Base-FX standard. While Gigabit and higher-speed optics dominate modern data centers, many control systems, surveillance networks, transportation infrastructure, and. The FS® 100BASE Small Form-Factor Pluggable (SFP) device (Figure 1) is a hot-swappable input/output device that plugs into Fast Ethernet ports, dual-rate Fast/Gigabit Ethernet ports, or Gigabit Ethernet ports of a FS switch or router, linking the port with the fiber cabling network. Main. The 100Mb SFPfbr xcvr sm 1310 is a 100Base-FX small form-factor pluggable (SFP) transceiver designed for single-mode fiber. It uses LC connectors, operates at a 1310nm wavelength, and supports long-distance data transmission up to 100 kilometers, ideal for extending 100Mbps Ethernet links over.

Article Content

Jul 16, 2026

Cisco Fast Ethernet SFP Modules

The Cisco 100BASE-LX10 SFP operates on ordinary single-mode fiber-optic (SMF) link

Jan 30, 2026

Single Mode Fiber SFP – SFP Single Mode LC Module (20km)

TRENDnet's single mode fiber SFP, model TEG-MGBS20, features a duplex LC fiber interface, supporting high-speed data rates for

Jun 07, 2026

100 Mb/s Singlemode Transceivers Fiber Optic Transmitters,

Mouser offers inventory, pricing, & datasheets for 100 Mb/s Singlemode Transceivers Fiber Optic Transmitters, Receivers,

Apr 26, 2026

DATA SHEET 1000 BASE-X SFP

*1000BASE-BX optics have two models and must be used in a pair. 1000BX is a technology that allows 1000BASE Ethernet

Aug 10, 2025

100M SFP Transceiver Modules Data Sheet | FS

The SFP-FE-BX transceiver provides up to 20km of 100Base-BX throughput over single-mode fiber (SMF) using

Oct 31, 2025

MFB-F60 Single Mode, 100Mbps SFP Fiber Transceiver

SFP Fiber Transceiver PLANET's 100Mbps Fast Ethernet SFP Fiber Transceiver utilizes a wavelength of

Feb 18, 2026

Singlemode transceiver modules buy online

Singlemode solutions from Fiber24: Comprehensive and modern Discover our diverse selection of singlemode transceiver modules,

May 04, 2026

SFP Transceiver

It uses LC connectors, operates at a 1310nm wavelength, and supports long-distance data transmission up

Sep 26, 2025

Understanding 100G Single Fiber QSFP28 Module for Modern Networks

100G single fiber QSFP28 modules enable fast, cost-effective network upgrades using one fiber strand, ideal for

Feb 19, 2026

1000Base-LX SFP Module

MSA Uncoded SFP Module - 1000BASE-LX - 1GbE Single Mode Fiber (SMF) Optic Transceiver - 1GE Gigabit Ethernet SFP - LC

Oct 08, 2025

100GBASE QSFP-100G Modules Data Sheet

The Cisco QSFP-100G-ERL-S Module supports link lengths of up to 25 km over a standard

Nov 06, 2025

MFB-F60 Single Mode, 100Mbps SFP Fiber Transceiver

PLANET's Small Form Factor Pluggable (SFP) transceiver modules are specifically designed for high

Oct 23, 2025

Cisco Transceiver Modules

Cisco Transceiver Modules - Learn product details such as features and benefits, as well as hardware and

May 31, 2026

Cisco SFP Modules for Gigabit Ethernet Applications

1000BASE-EX SFP for long-reach single-mode fibers The 1000BASE-EX SFP operates on standard single-mode fiber-optic link

Dec 18, 2025

100Base-FX SFP Single-Mode LC Module (20km)

TRENDnet's 100Base-FX SFP Single-Mode LC Module is compatible with standard SFP slots found on network switches and fiber

May 16, 2026

SFP modules – transceivers for 1/2/4G fibre channel

SFP transceivers are valued for their flexibility, low power consumption and ability to support both single

Feb 25, 2026

100M SFP Transceiver Modules Data Sheet | FS

The SFP-100LX-31-I transceiver supports up to 10km link lengths over single-mode fiber (SMF) using a wavelength of

May 15, 2026

Recommendation ITU-T G.652 (08/2024)

This document outlines the specifications for a single-mode optical fiber and cable designed for use around the 1310 nm zero

Jul 02, 2026

SFP-SM Single-mode 100Mbps Optical Module

SFP-SM Specifications 100Mbps 100Base-SM Ethernet Compatible with RoHS Duplex LC connector RoHS compliant and Lead Free

Jun 11, 2026

Module SFP 100M WDM, 20km, Tx/Rx: 1550/1310nm, SC (14dB)

A single-mode optical module with an SFP form factor for Fast Ethernet, compliant with the 100Base-FX standard. Designed to

Dec 04, 2025

SFP Optical Transceiver Products | Syrotech Networks

Syrotech Networks is market leader in manufacturing and supplier of sfp module, optical transceiver, sfp port, sfp optical

Oct 09, 2025

SFP Optical Transceiver | SFP Optical Module | Perle

Perle SFP Optical Transceivers are hot-swappable, compact media connectors that provide instant fiber

Feb 07, 2026

StarTech MSA Uncoded Compatible SFP Module

StarTech MSA Uncoded Compatible SFP Module - 100BASE-LX - 100MbE Single Mode Fiber (SMF) Optic Transceiver - 100Mb

Aug 23, 2025

100BASE FX SFP: Complete Guide to 100Mbps Fiber Transceivers

Learn everything about 100BASE FX SFP, including specifications, transmission distance, fiber requirements, applications, and

Oct 09, 2025

Multi-mode optical fiber

Multi-mode optical fiber is a type of optical fiber mostly used for communication over short distances, such as within a building or on a

Dec 15, 2025

100 G Single Mode Optical Connectivity

Description The Intel® Silicon Photonics 100G LR4 10km Reach QSFP28 Optical Transceiver is a small form-factor, high speed, and

Aug 16, 2025

What is a 100 Gigabit Singlemode SFP-FE-LX Optical Module?

In addition, the 100 Gigabit single-mode optical module SFP-FE-LX can also be used in environments such as Fast

Feb 25, 2026

Lantronix Simplex SFP Modules | Single-Fiber BiDi,

The lineup spans a wide range of speeds and fiber types — from 100Base and OC-3 through Gigabit and

Mar 14, 2026

Single Lambda 100G QSFP28 Modules Overview

The 100GBASE-FR Single Lambda transceiver is a single lambda short reach single-mode 100GBASE-FR1 optical

Aug 10, 2025

Specifications For Fiber Optic Networks

Specifications For Legacy Fiber Optic Networks A listing of many fiber optic LANs and links available in the last 30 years, with basic

Contact Us

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