

# 100Mbps Optical Module Specifications



## Overview

The 100FX SFP module for fast Ethernet (FE) ports provides a 100-Mbps optical link using LC connectors and 1310-nm MMF (multimode fiber) cable. The maximum transmission distance for this connection is 2 km. Optical interoperability with 100GbE CFP, CFP2 and CPAK Arista's Optical Modules and Cable portfolio offer a wide variety of high-density and low-power 800G (dual 400G), 400G, 200G, 100G, 50G, 40G, 25G, 10G, 1G, and. The Cisco 100GBASE Quad Small Form-Factor Pluggable (QSFP) portfolio offers customers a wide variety of high-density and low-power 100 Gigabit Ethernet connectivity options for data center, high-performance computing networks, enterprise core and distribution layers, and service provider. 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. BIDirectional optical modules must be used in pairs. While Gigabit and higher-speed optics dominate modern data centers, many control systems, surveillance networks, transportation infrastructure, and. Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product.

## Article Content

Jan 08, 2026

100 Mb/s Fiber Optic Transmitters, Receivers, Transceivers

100 Mb/s Fiber Optic Transmitters, Receivers, Transceivers are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for 100 Mb/s Fiber Optic Transmitters, Receivers, Transceivers.

Mar 06, 2026

INDUSTRIAL 100MB ETHERNET SFP MODULES Industrial Ethernet

Industrial Ethernet Solutions AMG's industrial 100Mb SFP's provide transmission of 100Mb Ethernet data over Multimode or Singlemode optical fiber or copper (Cat5 or higher) cables depending on the

Jan 01, 2026

Catalyst 6500 Series 10

Designed for deployment in LAN access where optical interfaces are required and for metro Ethernet access, the Cisco Catalyst 6500 Series Classic 10- and 100-Mbps Ethernet fiber-based interface

Feb 01, 2026

100M SFP Transceiver Modules Data Sheet | FS

SFP-FB-GE-T The SFP-FB-GE-T transceiver supports up to 100m link lengths over a copper connection via a RJ-45 connector. Featuring low power consumption, the hot

Feb 06, 2026

Pluggable Transceivers Installation Guide

To determine achievable distances, refer to the device's optical specifications and to the specific characteristics of your fiber installation. Optical Budget Calculation The 100LX/1000LX SFP modules

Sep 13, 2025

Introduction to Common 100G Optical Module Types,

By understanding the different types of 100G optical modules available, their advantages, and application scenarios, organizations can make informed

Aug 01, 2025

StarTech MSA Uncoded Compatible SFP Module

TECHNICAL SPECS: 100BASE-FX | 100Mbps | Multi Mode (MMF) | LC Connector | 1310nm | Digital Diagnostic Monitoring (DDM) | Distances up to 2km (1.2mi)

Mar 01, 2026

Certifications, Reports and Compatibility

TECHNICAL SPECS: 100BASE-FX 100Mbps Multi Mode (MMF) LC Connector 1310nm Digital Diagnostic Monitoring (DDM) Distances up to 2km (1.2mi) TESTED FOR COMPATIBILITY: Hot

Sep 03, 2025

MSA Uncoded SFP Module

TESTED FOR COMPATIBILITY: Hot-swappable in MSA Compliant routers and switches; DDM support reports the transceiver's status to most SNMP network

Apr 05, 2026

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

Aug 22, 2025

10 100 1000 Base T Explained: A Guide to Gigabit Ethernet

10 100 1000 Base T connectivity can also be delivered through copper SFP modules, which provide an RJ45 Ethernet interface inside a standard SFP slot. These modules allow switches or routers

Mar 27, 2026

100GBASE QSFP-100G Modules Data Sheet

The Cisco 100GBASE-SR4-S QSFP Module supports link lengths of up to 70m over OM3 and 100m over OM4 Multimode Fiber with MPO connectors.

Jul 01, 2025

100FX SFP Module for Fast Ethernet Ports

The 100FX SFP module for fast Ethernet (FE) ports provides a 100-Mbps optical link using LC connectors and 1310-nm MMF (multimode fiber) cable. The maximum transmission distance for this

Dec 13, 2025

100G Optical Module Selection Guide: Advantages and Types of

This optical module follows strict industry standard specifications and allows high-speed transmission of data in optical fibers by converting electrical signals into optical signals and vice

May 27, 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

Oct 07, 2025

StarTech Cisco GLC-FE-100FX Compatible SFP

StarTech Cisco GLC-FE-100FX Compatible SFP Module - 100BASE-FX - 100Mbps Multimode Fiber MMF Optic Transceiver - 100 Mbps - LC 2km - 1310nm

Apr 17, 2026

100M SFP Transceiver Modules Data Sheet | FS

Featuring low power consumption, this industrial optic transceiver provides 100BASE Ethernet connectivity options for Fast Ethernet, Telecom and Data Centers, suitable for both outdoor

Apr 28, 2026

MTS-SFP-100M-SM/LC Technical Data Sheet

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Mar 15, 2026

LPO MSA Announces Release of Specification for Linear Pluggable Optical ...

The specification defines the necessary optical and electrical requirements for a robust ecosystem of LPO-compatible switch, NIC and module products.

Jan 16, 2026

WI-MC101M 100Mbps Single Mode Fiber Optic Media Converter

The WI-MC101M is a media converter designed to convert 100BASE-FX fiber to 10/100Base-TX copper media or vice versa. Adopting WDM technology, WI-MC101M takes only one fiber cable to transmit

Jun 07, 2026

In-depth Understanding of 100G Optical Modules:

Abstract: In today's fast-paced digital landscape, the demand for high-speed data transmission has never been greater. Enter the 100G optical module, a critical

Jul 13, 2025

#### UniFi 100G SR4 Multi-Mode Optical Module

QSFP28 transceiver that supports 100G connections up to 100 m using multi-mode fiber with an MPO-12 Type B UPC connector.

Jan 20, 2026

#### 100Mbps SFP Optical Modules

BIDI optical modules must be used in pairs. For example, SFP-FE-LX-SM1550-BIDI must be used with SFP-FE-LX-SM1310-BIDI.

Oct 05, 2025

#### 1G SX SFP Module Specifications and Compatibility Guide

This guide provides a complete overview of 1G SX SFP Modules, covering technical specs, compatibility, deployment best practices, and answers to frequently asked questions. By

Apr 26, 2026

#### Catalyst 6500 Series 10

This data sheet describes the benefits, specifications, and ordering information for the Catalyst 6500 Series 10- and 100-MBPS Ethernet Fiber-Based

Oct 21, 2025

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

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

May 17, 2026

#### Pluggable Transceivers Installation Guide

For a complete listing of compatible cables and optical transceivers, see the Extreme Optics Compatibility website. Transmission distances are provided as a nominal guide only.

Mar 25, 2026

#### 100g light module characteristics and application

A 100G optical module is a high-speed optical transceiver that is capable of transmitting data at a rate of 100 gigabits per second. These modules are used in a variety of applications,

## Contact Us

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