

Parameters of 100Mbps Multimode Fiber Optic Transceiver



Overview

This transceiver is a high-performance module for short-range multi-lane data communication and interconnect applications. It integrates four data lanes in each direction with 100Gbps bandwidth. Each lane can operate at 25Gbps up to 70m using OM3 fiber or 100m using OM4 fiber. They are compliant with the QSFP28 MSA1 and IEEE 802. The transceiver is. 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. A 100BASE FX SFP transceiver enables Fast Ethernet transmission over multimode fiber, typically operating at 1310nm and supporting distances up to 2km. Compared with copper-based 100BASE-TX connections, it offers stronger EMI immunity, longer reach, and improved reliability in electrically noisy. Mellanox® MMA1B00-C100D is a 4-channel, pluggable, QSFP28 optical transceiver designed for use in 100GbE Ethernet. Featuring an LC style connector, it supports 100BaseFX Ethernet over multimode fiber for distances up to 2 kilometers, providing a reliable fiber optic connection.

Article Content

Mar 26, 2026

StarTech Cisco GLC-FE-100FX Compatible SFP Module

This item: StarTech Cisco GLC-FE-100FX Compatible SFP Module - 100BASE-FX - 100 Mbps 100Mbps Multimode Fiber MMF Optic Transceiver - 2km \$6699 + LINOVISION Industrial 2 Ports

Dec 23, 2025

QSFP28 SR4 100GbE Universal Optical Transceiver | GBC Photonics

The 100G QSFP28 SR4 optical transceiver transmits data over multi mode fibre at a distance of up to 100m. The transceiver operates on 4 wavelengths and works in point-to-point scenario.

Mar 03, 2026

SFP-1G-SX Explained: The Essential Guide to 1G

Table of Contents This guide dives deep into the SFP-1G-SX transceiver, the industry-standard solution for 1 Gigabit short-range fiber optic

Dec 29, 2025

100G QSFP28 SR4 100m Optical Transceiver

This transceiver is a high-performance module for short-range multi-lane data communication and interconnect applications. It integrates four data lanes in each direction with 100Gbps bandwidth.

Dec 30, 2025

StarTech MSA Uncoded Compatible SFP Module

StarTech Extreme Networks 10051 Compatible SFP Module - 1000BASE-SX - 1GbE Multimode Fiber MMF Optic Transceiver - 1GE Gigabit Ethernet SFP - LC

Apr 02, 2026

Media Converters (1000+ products) compare price now »

Media Converters are available in various types, including copper-to-fibre, fibre-to-fibre, and single-mode to multimode converters. Each type serves a specific purpose based on the network configuration.

Jan 21, 2026

100G Fiber Optic Transceivers — QSFP28

The standards related to the optical communication industry are mainly from IEEE, ITU, and multi-source agreement MSA industry alliances. The

Feb 15, 2026

Startech Cisco GLC-FE-100FX Compatible SFP Module, 100BASE-FX, 100Mbps ...

Delivering convenience and scalability, the fiber transceiver is fully hot-pluggable, enabling you to install the module without interrupting network traffic or requiring a device reboot. This 1310nm multi-mode

Oct 18, 2025

100GBASE QSFP-100G Modules Data Sheet

Each Cisco QSFP 100-Gbps SR1.2 BiDi transceiver consists of two transmit and receive channels in the 832-918 nanometer wavelength range,

Oct 10, 2025

MSA Uncoded SFP Module

MSA Uncoded SFP Module - 100BASE-FX - 100MbE Multi Mode Fiber (MMF) Optic Transceiver - 100Mb Ethernet SFP - LC 2km - 1310nm - DDM Learn why IT Pros trust StarTech for

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SFP Optical Transceiver | SFP Optical Module | Perle

Network upgrades are also made easier because SFPs are interchangeable fiber connectors that can adapt to any existing network. For example, by simply

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Fiber Optic Transceiver Modules | Optoelectronics

Fiber Optic Transceiver Modules Fiber optic transceiver modules are fiber cable adaptive housings that contain a light source for transmitting data via fiber optic

Mar 01, 2026

Cisco 10GBASE SFP+ Modules Data Sheet

Cisco SFP-10G-LRM module The Cisco 10GBASE-LRM Module supports link lengths of 220m on standard Fiber Distributed Data Interface (FDDI)

May 17, 2026

SFP Transceiver-100BaseFX Multimode-2km

The 100BaseFX MM SFP 2km is a multimode fiber SFP (mini-GBIC) transceiver. Featuring an LC style connector, it supports 100BaseFX Ethernet over multimode fiber for distances up to 2 kilometers,

Jun 11, 2026

Brocade® 100 Gb/s SR4 QSFP28 Optical Transceiver

Leverages unique design parameters to provide the highest performance with industry-leading Brocade solutions to support business continuity and disaster recovery

Dec 02, 2025

CampusGuru StarTech USB to Fiber Optic Converter

Windows® and Mac compatible, the network adapter provides a 100Mbps Ethernet network connection and 100BaseFX SC optical transceiver ber-optic SC port With an optical transceiver for 100Base

Aug 02, 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.

Aug 05, 2025

Complete Guide to Choosing the Right 100M Optical

Choose the right 100M optical transceiver by checking compatibility, fiber type, wavelength, distance, data rate, connector, and reliability.

Aug 07, 2025

Certifications, Reports and Compatibility

Product ID: SFP100BFXST The SFP100BFXST is an MSA compliant fiber SFP transceiver that's designed, programmed and tested to work with 100BASE-FX compatible MSA switches and routers.

Mar 18, 2026

MSA Compliant 100 Mbps Fiber SFP Transceiver

Delivers 100Mbps Fast Ethernet connections With data transfer rates of up to 100Mbps and support for Digital Diagnostics Monitoring (DDM / DOM), this LC SFP module can be installed into fiber

Apr 23, 2026

Multimode Fiber Types: OM1 vs OM2 vs OM3 vs OM4

How Many Types of Multimode Fiber? Identified by ISO 11801 standard, multimode fiber optic cables can be classified into OM1 fiber, OM2 fiber,

Sep 19, 2025

Sfp Module Single Mode Multimode Fiber Optic Transceiver Lc

Warranty Time 3 Years Product name SFP Module Type Fiber Optic Transceivers
Connector Type LC / SC / MPO Max Data Rate 155M 1.25G 10G 25G 40G 100G 400G
Single package size 10X5X2 cm

Apr 12, 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.

May 04, 2026

QSFP28 Transceiver: Complete 100G Connectivity Guide (2026)

QSFP28 transceiver guide covering module types, pricing, compatibility, and deployment. Learn how to choose, deploy, and troubleshoot 100G QSFP28 optics.

Jul 13, 2025

Ethernet - Wikipedia

Ethernet basiert auf der Idee, dass die Teilnehmer eines LANs Nachrichten durch Hochfrequenz übertragen, allerdings nur innerhalb eines gemeinsamen Leitungsnetzes. Jede Netzwerkschnittstelle

Jan 22, 2026

10 Gigabit Ethernet Fiber Design Considerations

The 10 Gigabit Ethernet operating distances provided in the tables below are limited by the channel insertion loss, the cable bandwidth for multimode fiber, and the optical transceiver characteristics

Jun 11, 2026

100GbE SR4 QSFP28 MMF Optical Transceiver

The transceiver has selectable re-timing in both transmit and receive directions as well as it provides digital diagnostic monitoring of supply voltage, temperature, transmit/receive power, and laser bias.

Contact Us

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