

100Mbps Single-Mode Optical Module Products



Article Overview

100Mbps single-mode optical modules, such as 100BASE-LX SFP transceivers, are designed for long-distance fiber links exceeding 2 km.

Overview

100Mbps single-mode optical modules are Fast Ethernet SFP transceivers that convert electrical signals into optical signals for transmission over single-mode fiber (SMF). They are ideal for long-distance connections, typically beyond 2 kilometers, and are commonly used in enterprise networks, industrial setups, and legacy system upgrades. Single-mode modules offer low signal attenuation and high bandwidth potential, making them suitable for campus backbones and inter-building links .

Common Standards

- 100BASE-LX: Operates at 1310nm wavelength, supports distances up to 10 km over single-mode fiber, and uses duplex LC connectors. It is the most widely used 100Mbps single-mode standard .
- 100BASE-EX: Designed for extended reach, typically up to 40 km, also using 1310nm wavelength and duplex fiber .
- 100BASE-LH: Similar to LX but optimized for longer distances, often up to 70 km in some implementations .

Example Modules...

Article Content

Cisco Fast Ethernet SFP Modules

Cisco offers a range of Fast Ethernet SFP Interface Converters. The product portfolio includes 100BASE

AMG SFP-SM-100M-LX20-31 SFP-100M Series, SFP Module, 100Mbps

Product Overview The AMG SFP-100M series are industrial 100Mb Ethernet SFP's offering support for multiple cable types including

Industrial GbE Fiber SFP Optical Transceiver Module Single-Mode 10 km

Industrial Gigabit Fiber SFP Optical Transceiver Module, 1000Base-LX (LC) Single-Mode Port, 10 km (6.2 mi.), MSA-compliant for

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

SFP Modules

Buy SFP Modules from top brands like Hanwha Vision, GeoVision, NVT Phybridge and Pelco. Visit us for unbelievable prices,

StarTech MSA Uncoded Compatible SFP Module

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

Cisco Transceiver Modules

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

SFP Optical Transceiver | SFP Optical Module | Perle

For example, by simply replacing the pluggable optical transceiver, a media converter that was originally used in a multimode

Introduction to Common 100G Optical Module Types, Advantages,

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

100M Optical Modules / Optical Modules

Founded in 2004, wintop is a China National High-Tech Enterprise specializing in the R& D, manufacturing, and sales of industrial

Lantronix Simplex SFP Modules | Single-Fiber BiDi, 100Mbps to 10G

The lineup spans a wide range of speeds and fiber types — from 100Base and OC-3 through Gigabit and 10GBase — in both

SFP Optical Transceiver Products | Syrotech Networks

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

Optical Converter Module 100Gbps 100G-10KM-OLT-QSFP28 | Intelbras

The 100G-10KM-OLT-QSFP28 Converter Module is designed to operate in high-performance networks, supporting transfer rates of

Complete Guide to Choosing the Right 100M Optical Transceiver

Selecting the wrong module can lead to network failures, unnecessary costs, and hours of troubleshooting. This guide

SFP Single Mode LC Module (20km)

TRENDnet's SFP Single Mode LC Module, model TEG-MGBS20, is compatible with standard SFP slots found on network switches

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

Single Lambda 100G QSFP28 Modules Overview

Explore the features and applications of Single Lambda 100G QSFP28 modules and learn how these modules

100M SFP Modules for Sale | Antaira Technologies

Our cost-effective 100M SFP modules deliver high-performing serial optical data communication capabilities that are specified for a

100M SFP Modules for Sale | Antaira Technologies

Antaira's 100M SFP modules are versatile, compact, and hot-swappable and can create versatile solutions to fit any application.

Exploring 100G Single Mode QSFP28 Transceiver Types

Explore 100G single mode QSFP28 module types by distance, cost, and use case to select the best fit for data

100G Optical Module Selection Guide: Advantages and Types of

Explore the QSFP28 100G optical module, a vital component for high-speed network connections. Discover its unique

100Base-LX SFP Module

MSA Uncoded SFP Module - 100BASE-LX - 100MbE Single Mode Fiber (SMF) Optic Transceiver - 100Mb Ethernet SFP - LC 10km -

100 Mb/s Singlemode Transceivers Fiber Optic Transmitters,

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

SFP Transceiver

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

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

Huawei eKitEngine Optical Module Datasheet

These compact optical transceivers offer a. access and ring network, storage network, and long-haul network.

Contact Us

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