

Fiber Optic Transceiver Gigabit Single-Mode LC



AI Overview

Single-mode gigabit SFP transceivers with LC connectors provide high-speed, long-distance optical connectivity for 1G networks. Overview Single-mode fiber (SMF) SFP transceivers are designed for long-distance gigabit Ethernet applications, typically supporting distances from 10 km up to 180 km, depending on the model and wavelength. They use LC connectors, which are compact and widely adopted for duplex or simplex fiber connections, making them ideal for data centers, enterprise networks, and telecom infrastructure. These transceivers are hot-pluggable, allowing installation or replacement without powering down network equipment. Key Specifications Data Rate: 1 Gbps (Gigabit Ethernet) Fiber Type: Single-mode (SMF) Connector Type: LC Duplex or LC Simplex Distance Range: 10 km to 180 km depending on model and wavelength Wavelengths: Typically 1310 nm for 10-40 km links (1000BASE-LX/LH) and 1550 nm for longer distances (1000BASE-EX/ZX) Compliance: MSA-compliant SFP modules, compatible with Cisco, FS, StarTech, Intellinet, and other major networking devices Digital Optical Monitoring (DOM): Some models support DOM for real-time monitoring of optical power, temperature, and transceiver status Use Cases Data Centers: Connecting switches and servers over long distances within large facilities Enterprise Networks: Linking buildings or floors with high-speed fiber connections Telecom Networks: Long-haul connections requiring reliable single-mode fiber performance Network Upgrades: Replacing older transceivers with plug-and-play SFP modules for higher speed and longer reach Advantages Long-Distance Connectivity: Supports up to 180 km depending on the model, ideal for extended networks Hot-Pluggable: Easy installation and maintenance without downtime Wide Compatibility: Works with multiple vendors' e...

Article Content

1000Base-LX SFP Module

100% MSA UNCODED SFP TRANSCEIVER: Designed, programmed and tested to work with compatible MSA Compliant switches and routers to deliver reliable

Fiber Optic Transceivers

SFP Module Duplex LC | Simplex LC Digital Diagnostic Monitor Gigabit Ethernet In Stock 238 ready to ship now 1: \$213.16/each

Complete Guide to Fiber Optic Cables for Data Centers

Everything you need to know about fiber optic cables for data center deployments. Covers OS2, OM3, OM4, OM5 cable types, LC/SC/MPO connectors, and

Wholesale Optical Transceivers Module | 100G

10 Gigabit XFP BIDI Optical Transceiver T1270nm R1330nm 40KM Optical Transceiver Module|SFP+ 10G Single Fiber Optical Transceiver 80km

Hilink Optics QSFP QSFPDD OSFP 10G SFP

If you have any questions about Hilink Optics CWDM DWDM QSFP QSFPDD OSFP 10G SFP transceivers,we will give the professional solutions to you.

Gigabit Fiber SFP Optical Transceiver Module

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

Singlemode 1310 nm Fiber Optic Transceivers - Mouser

Singlemode 1310 nm Fiber Optic Transceivers are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Singlemode 1310 nm Fiber Optic Transceivers.

1G SFP LX 1310nm 20km Single mode Transceiver

Featuring a built-in Semtec chip and reliable FP laser / PIN receiver, the SFP module delivers low power consumption and stable optical links for 1G single

TP-Link Gigabit SFP Module, Single-mode, MiniGBIC, LC Interface,

TP-Link Omada Gigabit SFP Module, Single-mode, MiniGBIC, LC Interface, Up to 10km Distance, Fiber optic, 1250 Mbit/s, mini-GBIC, LC, 9/125 μm, LX

Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.

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StarTech MSA Uncoded Compatible QSFP+ Module, 40GBASE

Optical Transceivers StarTech MSA Uncoded Compatible QSFP+ Module, 40GBASE-LR4, 40GbE Single Mode SMF Fiber Optic Transceiver, 40GE Gigabit Ethernet QSFP+, LC Connector 10km,

optical transceiver Manufacturer/Producer | B2B companies

Matching products MiniGBIC Transceiver LC 1000BASE-LX SFP Singlemode, Gigabit Ethernet bis 10km pre-terminated fiber optic cables Fiber Optic Patch Cable Fiber Optic Cable Drum, 4 Fibers

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StarTech Cisco GLC-LH-SMD Compatible SFP Module

StarTech Cisco GLC-LH-SMD Compatible SFP Module - 1000BASE-LX/LH - 1GbE Single Mode Fiber Optic Transceiver - 1GbE SFP - LC 10km - 1310nm - DDM Cisco Firepower, ASR920, IE2000

10G BiDi SFP+ TX1550nm/RX1490nm 70KM LC Optical Transceiver

Product Description□10G BiDi SFP+ 1490nm/1550nm 70KM LC Optical Transceiver This high-performance bidirectional SFP+ transceiver delivers 10Gbps connectivity over 70km single-mode

LX-SFP-1G-C | Industry Standard | Transceivers | Prolabs

This MSA compliant SFP transceiver provides 1000Base-LX throughput up to 10km over single-mode fiber (SMF) using a wavelength of 1310nm via an LC

1 Gigabit Singlemode SFP Fiber Optic Transceivers

Our 1 Gigabit Singlemode SFP Transceivers offer high-performance, reliable connectivity for singlemode fiber optic networks. These transceivers are

SFP Transceiver

Utilizing LC connectors and operating at a 1310nm wavelength, it enables high-speed data transmission over single-mode fiber for distances up to 80

1G SFP Transceivers | Mini-GBIC SFP Modules

FS gigabit ethernet transceiver solutions provide fibre or copper options including 1000BASE-SX, 1000BASE-LX/LH, 1000BASE-T etc., from 100m to 160km, for

Industrial Gigabit Fiber SFP Optical Transceiver

Compatibility in your network is everything, and this industrial SFP Transceiver Module delivers. Use it with any Intellinet SFP equipped network switch or any

StarTech MSA Uncoded SFP Module

StarTech MSA Uncoded Compatible SFP Module - 1000BASE-LX - 1GbE Single Mode Fiber (SMF) Optic Transceiver - 1GE Gigabit Ethernet SFP - LC 10km - 1310nm - DDM (SFP1000LXST)

Gigabit SFP Transceiver 1.25G SMF 20km LC Single Fiber BiDi SFP Optical ...

High-performance 1.25G BiDi SFP transceiver, single-mode single-fiber design with LC connector. Supports 1.25Gbps data rate, 20km transmission (1310nm TX/1550nm RX). Features hot-pluggable,

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SFP Transceiver

The 1000BASELX SM SFP 10KM is a Gigabit single-mode SFP (mini-GBIC) transceiver with an LC style connector. Operating at a 1310nm wavelength, it supports 1000BaseLX Ethernet over single-mode

XFP transceiver

XFP modules use an LC fiber connector type to achieve higher density. Principal applications include 10 Gigabit Ethernet, 10 Gbit/s Fibre Channel, synchronous

Contact Us

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