

Optical module 10g 1550nm



Overview

An Optical transceiver module is the core part of optical communication devices. It uses fiber optical technology to send and receive data through completing the process of optical signal – electrical signal / electrical signal – optical signal conversion. An Optical transceiver module is the core part of optical communication devices. It uses fiber optical technology to send and receive data through completing the process of optical signal – electrical signal / electrical signal – optical signal conversion. An optical transceiver module consists of two parts: the receiving part and the transmitting. In order to meet a variety of needs of transmission, the manufacturers launched a variety of categories of optical modules. Below are some common methods to classify them. With the rapid development of information technology, the application of optical communication has become more and more popular. With the advantages of large capacity and high-speed transmission, Fiber Optic Transceiver Modules is playing a more and more important role. Where there is fiber, the optical module is needed, and the selection and purchase. When purchasing optical modules, need to confirm whether it can be compatible with your devices. Common switch brands like CISCO, HUAWEI, H3C, Juniper, D-link, HP, IBM, dell, Mikrotik etc., modules need to be tested compatibility before shipment. Before purchasing, it is best to confirm that it can be perfectly compatible with the corresponding brand. The original module is reliable but the price is too high, compatible module is cost-effective, comparable to the original module. Different users need to make specific choices according to the budget.

Article Content

Hot

X2-SFP 10G X2 To SFP+ Converter X2 Optical Module 300m-80km

Product Description X2-SFP 10G X2-SFP+ Converter Features X2 to SFP Converter Support on many platforms using Xenpak interfaces Compatible with Xenpak MSA Hot Pluggable Distance from 300m

Aug 16, 2025 Hot

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 19, 2026 Hot

OSX010000 SFP+ OSX010000 price and specs

OSX010000 SFP+ is Optical Transceiver,SFP+,10G,Single-mode Module (1310nm,10km,LC) OSX010000 SFP+ Product Overview OSX010000 SFP+ is a

Feb 24, 2026 Hot

10G SFP+ ZR 1550nm 80km Transceiver | AscentOptics

10G SFP+ ZR module is suitable for 10G Ethernet links up to 80km over single-mode fiber using a wavelength for 1550nm via a Duplex LC connector - AscentOptics.

Jul 01, 2025 Hot

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco 10GBASE SFP+ modules give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise wiring closet, and

Mar 26, 2026 Hot

SFP-10G-ER Explained: Powering 40km 10Gbps Optical

SFP-10G-ER is a 10G SFP+ transceiver for up to 40km over single-mode fiber, featuring 1550nm wavelength, LC connector, and real-time monitoring.

Nov 21, 2025 Hot

Learn how to choose the right SFP module for your network. Avoid ...

Learn how to choose the right SFP module for your network and avoid common compatibility mistakes. This practical guide explains SR vs LR, singlemode vs multimode,

Mar 27, 2026 Hot

Bidi Sfp Module 10G 1G 2.5G Single Mode 20Km 10Km Lc Sc Apc

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

Jan 10, 2026 Hot

2026 Global Optical Module Selection Guide (Website Homepage)

Speed Matching: 1.6T for AI, 800G for data centers, 10G/25G for access layers.
Distance Accuracy: SR multimode <300m; 1310nm LR for 2-10km; 1550nm ER / coherent for >40km.

Aug 01, 2025 Hot

SFP Module 10G SFP Optical Transceiver GPON PON Fiber Copper

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

Feb 28, 2026 Hot

Technical Characteristics Of 10G Optical Modules With

There are three wavelength windows for 10G optical module communication applications, namely the 850nm window, 1310nm window, and

Oct 27, 2025 Hot

Wholesale Optical Transceivers Module | 100G

Shop high-speed optical transceivers from Unitekfiber. We offer 100% compatible 40G, 100G, and 400G QSFP-DD modules for data centers. Expert technical

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Price QSFP28 optical module 10G online manufacture

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Sfp Transceiver Optical Module SM MM 1.25G 10G 25G 100G 850Nm

Sfp Transceiver Optical Module SM MM 1.25G 10G 25G 100G 850Nm 1310Nm 1550Nm 40Km 20Km 10Km Duplex Lc Bidi Sfp Gpon Olt Ftth Onu

May 28, 2026 Hot

10Gb/s SMF 1550nm 40km XFP ER Optical Transceiver

Optcore's OXP10G-5540DCR is a high performance and cost-effective XFP ER transceiver module for 10 Gigabit Ethernet links up to 40km over a single fiber.

Nov 24, 2025 Hot

The Most Comprehensive Guide Of Optical Modules

Explore the ultimate guide to optical modules. Learn types, functions, performance metrics & how to choose the right module for your fiber network.

Mar 06, 2026 Hot

10G SFP+ ZR, 1550nm, 80km, DDM, LC/UPC Duplex, Single Mode,

The MJ-SFP10G-ZR-80 SFP+ transceiver provides a high-performance, cost-effective solution for connectivity of up to 11.0957 Gbps (10GBASE-ZR/ZW and OTU2E) over Single Mode fiber cable

Feb 28, 2026 Hot

Sfp Module QSFP28 100G 1310Nm 10KmTransceiver Data Center Optic Module ...

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

Sep 18, 2025 Hot

Finisar 10GB 40KM Fiber Optical Module FTLX1671D3BCL/1550NM 40KM 10G ...

You can buy Finisar 10GB 40KM Fiber Optical Module FTLX1671D3BCL/1550NM 40KM 10G Network Adapter General Purpose Module using cryptocurrencies: Bitcoin, Ethereum, Litecoin, Bitcoin Cash,

Jul 04, 2025 Hot

Understanding SFP Modules: Wavelength and Color Codes

Understanding SFP Optical Modules - Wavelength & Pull Ring Color Codes When working with networking and fiber optics, SFP (Small Form-Factor Pluggable) modules are crucial for connecting ...

Feb 23, 2026 Hot

All About the SFP-10G-ZR: Understanding the 1550nm

The SFP-10G-ZR optical module offers 10G data rate, 1550nm wavelength, and 80km reach, perfect for long-haul telecom and enterprise network solutions.

Sep 06, 2025 Hot

Dual Fiber Module LC SFP Transceiver Hilinktech 10G SFP+ 1550nm

100km SFP+ Transceiver Module LC DDM 10G Bidi 10G Bidi 1490nm / 1550nm
100km SFP+ LC DDM for 5G Data Center The Hilink HL-XFP-10G-BX80-49 & HLSFP-10G-BX80-55 is a very compact

Mar 03, 2026 Hot

10GBASE-ZR SFP+ 1550nm 120km DOM Duplex LC/UPC SMF

10GBASE-ER SFP+ 1550nm 40km LC SMF Optical Transceiver

The 10GBASE-ER SFP+ Optical Transceivers are designed for long-distance, high-speed optical communication over single-mode fiber. SFP+ ER uses a 1550nm wavelength to provide

Nov 04, 2025 Hot

Best SFP Modules 2026: Top Picks for 1G, 10G & 25G Networks

Best SFP modules 2026 reviewed. Compare top SFP SFP+ SFP28 transceivers for speed, reach, and compatibility with major brands.

Dec 23, 2025

Contact Us

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