

10G 40km Optical Module Large Port



Overview

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. 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. 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

Verified Supplier 10G Huawei SFP Factory Outlet Price | Alibaba

Shop high-quality 10G Huawei SFP transceivers for reliable fiber optic communication. Compatible with various networking devices for seamless connectivity.

May 05, 2026 Hot

10G Base ER Industrial SFP+ | 40km SMF | -40 to 85°C

Using 1550nm wavelength with 15 dB link budget, this 10G Base ER

Jun 06, 2026 Hot

10G SFP+ ER SMF 1310nm 40km Transceiver Module

Buy 10Gb/s SFP+ ER SMF 1310nm 40km Optical Transceiver Manufacturer at Affordable Factory Price, 5-Year Warranty & Money-back Guarantee.

Sep 22, 2025 Hot

SFP-10G-ER 1550nm 40km DDM Optical Transceiver

SFP-10G-ER 1550nm 40km DDM Optical Transceiver Module CISCO, HUAWEI, H3C, Juniper, D-link, HP, IBM, dell, Mikrotik, Aruba, Quidway Compatible This

Feb 11, 2026 Hot

Intel Compatible 10GBASE-ER SFP+ 1310nm 40km DOM Duplex

This transceiver is compliant with SFF-8431 and SFF-8432. Digital diagnostics monitoring is available via a 2-wire serial interface, as specified in SFF-8472. Featuring low power consumption, high speed,

Jul 27, 2025 Hot

10G SFP+ module SM 20KM 40KM 80KM TX/RX

10G XFP module 10G XFP modules with fiber optics allow customers to utilize an XFP 10 Gigabit port on an existing piece of hardware to send either multi-mode

Nov 21, 2025 Hot

SFP-10G-LR-1310nm 20km LC DDM Optical Transceiver

What Is SFP-10G-LR-1310nm 20km LC DDM Optical Transceiver Module? SFP-10G-LR-1310nm 20km LC DDM Optical Transceiver Module CISCO, HUAWEI,

Mar 05, 2026 Hot

10GE SFP+ Optical Modules

CloudEngine 12800 and 12800E Series Switches Hardware Description This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information

Oct 09, 2025 Hot

What is a 10G SFP+ Switch and How to Use It?

This 8-port SFP+ managed switch comes with eight high-speed 10G SFP+ ports and a 10G fiber-to-copper module, making it easier to integrate with

Jul 18, 2025 Hot

SFP-10G-ER40 10GBASE-ER SFP+ Transceiver

High-performance 10GBASE-ER SFP+ optical transceiver. Delivers reliable 10 Gigabit Ethernet connectivity up to 40 kilometers over single-mode fiber (SMF)

Feb 25, 2026 Hot

QSFP+ 40G LR4 optical module, single-mode, CWDM 4

The QSFP-4010-LR4 is a long range single-mode 40G QSFP+ optical module compatible with the 40GBase-LR4 specifications. It uses 4 CWDM 10G lasers

Jul 14, 2025 Hot

Single Mode Optical Modules Market 2026

Emergence of Coherent Optics for Long-Haul The market is seeing growing interest in coherent Single Mode Optical Modules for metro and long-haul applications, offering improved transmission

Oct 12, 2025 Hot

10G SFP+ DWDM 40km/70km/80km Optical Module

GIGALIGHT's 10G SFP+ DWDM optical transceiver modules for metro telecom, 5G pre-transmission or LTE pre-transmission are compliant with 10G Ethernet

Jul 25, 2025 Hot

10G-SFP+40KM 10G SFP+ Transceiver

10G SFP+ Transceiver Overview The 10G SFP+ transceivers are high performance, cost effective modules supporting data rate of 10Gbps and 40. m transmission distance with SMF. The transceiver

Jul 05, 2025 Hot

SFP+ 40km (10GBASE-ER): Extended-Reach Optical Module Guide

SFP+ 40km (10GBASE-ER) modules are designed for scenarios where reliable 10G connectivity must extend far beyond typical data center distances. Their ability to transmit over up to

Jun 09, 2026 Hot

10G SFP Transceiver for Huawei: A Comprehensive Review and Guide

After researching, I found that the 10G SFP transceiver with 1310nm wavelength, 10km reach, and single-mode (SM) fiber was the best fit for our setup. Answer: A 10G SFP transceiver is a hot

Aug 16, 2025 Hot

10 Gigabit Optical Transceivers | SFP+ and XFP

Perle 10G Optical Transceivers available as SFP+ and XFP modules can be used in Perle Media Converters, Cisco switches and routers for fiber connectivity

Jan 22, 2026 Hot

Fiber Optic Connectors | Products | Amphenol

10G SFP+ Transceivers DESIGNED FOR USE IN 10GB/S DATA RATE LINKS. COMPLIANT WITH 10G ETHERNET AND CPRI Amphenol's 10G SFP+ optical

Jan 26, 2026 Hot

Optical Modules Market Research Report 2034

Key Takeaways: Optical Modules Market Global optical modules market valued at \$14.8 billion in 2025 Expected to reach \$39.6 billion by 2034 at a CAGR of 11.5%

Jun 12, 2026 Hot

10G SFP+ DWDM ER 40km Optical Transceiver

10G SFP+ DWDM ER module provides extended high-capacity communication solutions for optical networks links up to 40km over single-mode fiber -

Nov 24, 2025 Hot

SFP-1040-WB: SFP+ 10G BiDirectional Optical Module

Explore the SFP-1040-WB a BiDi single-strand 10G SFP+ module for 40Km. Fiber-saving - buy now for efficient networks!

Dec 01, 2025 Hot

10G SFP+ ER 1310nm 40KM

The STC-10G-ER is an extended reach 10G SFP+ optical transceiver designed for long-distance single-mode fiber (SMF) applications. Operating at a wavelength of 1310nm, this high-performance module

Jun 17, 2026 Hot

Cisco 10GBASE SFP+ Modules Data Sheet

Cisco SFP-10G-T-X module The Cisco 10GBASE-T module (Figure 2) offers connectivity options at the following data rates: 100M/1G/10Gbps. It has the

Feb 08, 2026 Hot

SFP+ BIDI Optical Transceiver, 10G Data Rate, 40 km

High-speed SFP+ BIDI optical transceiver with 10G data rate, up to 40 km range, low power consumption, and full compatibility with various data center equipment.

Dec 16, 2025 Hot

The Ultimate Reference Table for SFP & QSFP Optical Transceiver ...

The Shift to PAM4: SFP56 While SFP+ (10G) and SFP28 (25G) used NRZ (Non-Return to Zero) modulation, SFP56 utilizes PAM4 (Pulse Amplitude Modulation 4-level). Implication: You

Aug 03, 2025 Hot

SFP+ 40km (10GBASE-ER): Extended-Reach Optical Module Guide

Understand SFP+ 40km (10GBASE-ER) modules, including specs, SMF compatibility, and how to choose the right extended-reach optical transceiver for your network.

Feb 09, 2026 Hot

Types of Area Network and How Optical Modules Support Them

Understanding the major types of area network including LAN, WAN, MAN, CAN, and SAN, and discover how optical modules enable modern fiber connectivity.

May 21, 2026 Hot

dX3 QSFP28 Test Module for VIAVI TestCenter | 12-Port High-Density ...

dX3 Quint-speed 12-port Module QSFP28 Test Module 100/50/40/25/10G Network bandwidth needs continue to grow at a rapid pace, network equipment manufacturers are developing highly flexible

May 09, 2026

Contact Us

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