

Huawei optical module SFP model



AI Overview

Huawei SFP optical modules are transceivers used in network devices to enable fiber or copper connectivity, available in various speeds, wavelengths, and distances.

Overview Huawei SFP (Small Form-factor Pluggable) optical modules are hot-swappable transceivers that allow switches, routers, and other network devices to connect via fiber or copper cables. They support multiple speeds including 1G, 10G, 25G, and higher, and are available in both standard and bidirectional (BIDI) configurations.

Types and Specifications

- 1G SFP Modules:** Include FX (2 km), SX (550 m), LX (10–80 km), ZX (120 km), and copper options. CWDM and bidirectional SFPs are available for metro and access networks.
- 10G SFP+ Modules:** Include SR (300 m), LR (10 km), ER (40 km), ZR (80 km), and BIDI options for single-fiber links. BIDI modules must be used in pairs, e.g., SFP-10G-BXD1 with SFP-10G-BXU1. CWDM and tunable DWDM SFP+ modules are available for metro WDM networks.
- 25G SFP28 Modules:** Include SR (100 m) and LR (10 km) options, with bidirectional single-fiber variants for data center switches.
- Other Modules:** 8G/16G FC modules, XFP modules, and low-latency DAC/AOC cables for high-performance applications.

Wavelengths and Transmission Distances Huawei SFP modules operate at various wavelengths depending on the type: Standard SFP/SFP+: 850 nm (SR), 1310 nm (LR), 1550 nm (ER/ZR). BIDI SFP: Single-fiber modules use paired wavelengths, e.g., 1270 nm and 1330 nm for 10G BIDI modules. Transmission distances range from 300 meters to 120 km, depending on module type, fiber quality, and network design.

Compatibility and Sourcing Huawei SFP modules are compatible with Huawei switches, routers, and OLT systems. Compatible third-party transceivers are also available, offering cost-effective alternatives while meeting reliability and performance standards. Genuine Huawei modules can be purchased from authorized distributors and online suppliers, often with datasheets available for reference.

Key Considerations BIDI modules must...

Article Content

10g sfp multi mode optical module online manufacture

Good quality 10g sfp multi mode optical module from 10g sfp multi mode optical module manufacturer, Buy 10g sfp multi mode optical module online from China.

Fiberhome ol100cl-04 optical transceiver module | gigabit ...

Tired of frustrating network cabling issues? dealing with alarm-triggering optical modules, sky-high packet loss, and endless incompatibility issues after three replacements? don't put up with it

01-10 OPTICAL MODULES

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

Huawei Data Center Switch Optical Transceiver Portfolio

CFP2 MPO24 Connector Model CFP2-100G-SR10 Description High Speed Transceiver,CFP2,100G,Multimode Module(850nm,10*10G,0.1km,MPO)

OLT Board Procurement FAQ: GPON SFP Modules, Compatibility

Ringkasan When procuring an OLT (Optical Line Terminal) board for your fiber access network, one of the most critical pre-sales questions is whether the necessary GPON SFP optical modules are

OPTICAL MODULES FOR HUAWEI S SERIES SWITCHES

Huawei switches support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable.

OLT Board Procurement FAQ: GPON SFP Modules, Compatibility

For example, bundles like the Huawei MA5680T with a GPBD board explicitly include 8x C+ SFP modules, whereas other listings for compatible boards, such as the MA5800 series GPHF card, may

Huawei OPTICAL TRANSCEIVER Price

The Best Huawei Products Price List Checking Tool ICT-Router, Switch, Optical Transmission & Access Network

Huawei PON SFP Modules | GPON XG-PON XGS-PON & 50G-PON

Huawei PON SFP modules are carrier-grade optical transceivers designed for GPON XG-PON XGS-PON & 50G-PON broadband access networks.

Optical Modules Market Research Report 2034

Optical Modules Market Outlook 2025-2034 The global optical modules market was valued at \$14.8 billion in 2025 and is projected to reach \$39.6 billion by 2034, advancing at a compound annual

10GE SFP+ Optical Modules

For example, SFP-10G-BXU1 must be used with SFP-10G-BXD1. If the SFP-10G-ER-1310 is connected to a 10Gbase-ER standard optical module (1550nm, 10GE, 40km), the maximum transmission

FR 10 Gigabit SFP+ 10G Optical Module Single-Mode 1310nm Multi

FR 10 Gigabit SFP+ 10G Optical Module Single-Mode 1310nm Multi-Mode 850nm Dual-Fiber LC 300m SR 3Y Warranty Factory Direct Sales

SFP-25G-SR, Huawei SFP28 Optical Transceiver,

Deploy Huawei SFP-25G-SR 25G SFP28 SR multimode transceiver for short-reach 850nm LC links up to 0.1km. Check 25G SFP price, stock and lead time now.

SFP-10G-LR, Huawei SFP+ Optical Transceiver, 10G, 1310nm, 10km

Huawei SFP-10G-LR is a carrier-grade SFP+ optical transceiver designed for 10G single-mode links up to 10 km. Operating at a 1310 nm center wavelength and fully compliant with 10GBASE-LR, it

Nokia 3HE11023AAAA01 10GBASE-SR SFP+ Optical Transceiver

The Nokia 3HE11023AAAA01 is a genuine original 10GBASE-SR SFP+ short-range optical transceiver, manufactured by Finisar for Nokia. Designed for high-speed 10 Gigabit Ethernet networks, this

Cisco Command to Check SFP Module Details

For network engineers, knowing how to view and interpret SFP information from the Cisco command-line interface (CLI) is essential. By checking module health, compatibility, and digital

Huawei Optical Module Common Models

Optical modules are important devices in fiber optic communication systems. Huawei Optical Module is manufactured by Huawei Technologies Co. and originated in Shenzhen.

Cisco Compatible Optical Modules Catalog

EXECUTIVE SUMMARY This document serves as the definitive technical reference for the Cisco Compatible Optical Modules Catalog, encompassing a comprehensive portfolio of Small Form-Factor

Huawei SFP-10G-iLR Optical Transceiver Best price in Duba

Basic Information Module name SFP-10G-iLR Part Number 02311BJJ Model SFP-10G-iLR Form factor SFP+ Application standard 10GBASE-iLR (non-standard) Connector type LC Optical fiber type SMF

02310SNN

And the Huawei SFP-10G-ZR 10GBase-ZR Optical Transceiver, SFP+, 10G, Single-mode Module (1550nm, 80km, LC) is factory new with original packaging. Buy it

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

Optical Module SFP-GE-SX-MM850 1.25G SFP Dual LC 55m

Optical Module SFP-GE-SX-MM850 1.25G SFP Dual LC 55m Multimode for Huawei/Cisco/H3C/Other AI Computing/HPC/Data Center

Cisco SFP vs GBIC vs XFP vs SFP+: The Practical Optical

Choosing the wrong module can lead to costly mismatches, link instability, or wasted budget. This guide provides a clear, practical comparison among the most common transceiver types

Optical Transceiver Manufacturer | 1G-800G Optics | Wolon

QSFP & QSFP28 MODULE Custom 400G / 800G QSFP-DD & OSFP MODULE Enterprise & Access Optics Engineered for enterprise networks and access layer applications. Our 1G to 2.5G SFP

Understanding High-Speed Transceiver Tests | 100G & 400G Optical ...

In this article, we'll explain why high-speed optical transceiver testing matters, which tests are most important, and how to choose modules that deliver long-term stable performance.

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H3CSFP-XG-LX-SM1310-S 10G SFP+ Multi-mode Optical Module

High quality H3CSFP-XG-LX-SM1310-S 10G SFP+ Multi-mode Optical Module from China, China's leading product market Fibre Channel Switch product market, With strict quality control Fibre

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