

Huawei Multimode Optical Switch

Article Overview

Huawei multimode optical modules, such as 10GBASE-SR SFP+ transceivers, enable reliable short-distance data transmission over multimode fiber for Huawei switches.

Overview

Huawei multimode optical modules are designed for short-reach connections in data centers, campus networks, and enterprise environments. They typically operate at 850nm wavelength and support distances up to 300 meters over multimode fiber (MMF) using LC duplex connectors (). These modules are compatible with Huawei S-series switches, including S5700 and S5720 models, and are available in SFP+ form factors for 10G connectivity ().

Key Features

- **High Compatibility:** Certified Huawei multimode modules ensure stable operation and full functionality with Huawei switches. Non-certified modules may cause link instability or service interruptions ().
- **Short-Distance Transmission:** Optimized for distances up to 300 meters over OM3 or OM4 multimode fiber ().
- **Plug-and-Play:** Once installed in the SFP+ slot, the module is automatically recognized by the switch without additional configuration ().
- **Durability:** High-quality components, including lasers and ICs from reputable manufacturers, provide a service life exceeding 10 years ().
- **Standards Compliance:** Modules adhere to MSA standards, ensuring interoperability with other certified hardware ().....

Article Content

Jul 22, 2026

Optical Switches Multi Mode

Fiber optical multimode MM switches with fiber core diameters ranging from 50 μm to 600 μm .

Mar 27, 2026

Huawei ESFP-GE-SX-MM850 1GE 850nm MM 0.5km

Huawei eSFP-GE-SX-MM850 Overview The Huawei eSFP-GE-SX-MM850 is a Gigabit Ethernet optical

Sep 29, 2025

Optical Module Troubleshooting

A multimode optical module (generally with a center wavelength of 850 nm) must work with a multimode optical fiber

Jun 20, 2026

10G multimode optical module dual fiber switch transceiver module

Compatible with leading brands such as H3C and Huawei, this transceiver module is engineered for performance, durability, and

Mar 01, 2026

Optical Modules for Huawei S Series Switches

To determine whether optical modules delivered for Huawei switches before July 1, 2013 are certified ones, contact Huawei technical

Jul 19, 2026

Huawei S9300E Switch Product Brochures

Product Overview Huawei S9300E series (S9300E for short) terabit routing switches are next-generation high-end smart switches

Mar 17, 2026

Huawei Data Center Switch Optical Transceiver Portfolio

Description 40GBase-iSR4 Optical Transceiver, QSFP+,40G,Multi-mode (850nm,0.15km,MPO) (connecting to one QSFP+ or four

Oct 10, 2025

Campus Switches | Huawei Enterprise

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and

Mar 09, 2026

CloudEngine S5736-S Series Switches | Huawei Enterprise

CloudEngine S5736-S Series are switches designed for the Wi-Fi 6 era, featuring 24 downlink ports, four 10 GE uplink ports and one

Sep 26, 2025

S9300X Series Switches Hardware Description

Multimode optical modules are used with multimode fibers. Multimode fibers have lower transmission performance than single-mode

May 30, 2026

Optical Fiber

A fiber jumper consists of one or more optical fibers of a certain length and the optical connectors at both ends. A fiber jumper

Feb 08, 2026

CloudEngine S5736-S Series Switches | Huawei Enterprise

CloudEngine S5736-S series switches are all-optical switches that feature 48 downlink optical ports and four uplink 10 GE ports.

Nov 18, 2025

Huawei OMXD30000 10G SFP+ Multi-mode 850nm

With an LC connector, extended -40°C to +85°C operating temperature, and optimized transmit and

Aug 23, 2025

Displaying Optical Module Information

What Is the Impact of Using Non-Huawei-Certified Switch Optical Modules? When certifying an optical module, Huawei

Mar 16, 2026

What Is StarryLink Optical Module? Why Do We Need It?

The StarryLink optical module is a core component developed by Huawei for data center networks. It delivers ultra

Jul 08, 2026

FAQs About Optical Modules

For details about the optical modules supported by optical ports on switches, see "Appearance and Structure" of a specific switch

Dec 07, 2025

Types of Optical Modules

Multimode optical modules are used with multimode fibers. Multimode fibers have lower transmission performance than single-mode

Jan 14, 2026

Understanding Optical Modules

This document explains optical modules, their types, and applications, providing a comprehensive understanding of their functionality

Jun 08, 2026

SFP-10G-SR

Provides technical support and specifications for Huawei's SFP-10G-SR optical module.

Oct 02, 2025

Huawei Data Center Switch Optical Transceiver Portfolio

Description High Speed Transceiver,CFP,100G,Multimode Module(850nm,10*10G,0.1km,MPO)

Dec 31, 2025

10GE SFP+ Optical Modules

This document provides an overall description of the CE12800 series switches hardware, helping you obtain detailed information

May 16, 2026

GE eSFP Optical Modules

CloudEngine 12800 and 12800E Series Switches Hardware Description This document provides an overall description of the

Dec 22, 2025

What Is an All-Optical Ethernet Switch?

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal

Jan 28, 2026

Huawei QSFP-40G-iSR4 40G QSFP+ SR4 MMF

The Huawei QSFP-40G-iSR4 is a high-density QSFP+ optical transceiver designed for enterprise and data

Jun 12, 2026

Optical Fiber

A single-mode optical fiber and a multimode optical fiber have the same appearance but different colors. A single-mode optical fiber

May 06, 2026

Network Switches | Huawei Enterprise

Huawei Ethernet Switches Turbocharge your enterprise network with high-performance, high-availability for resilient services and

May 14, 2026

CloudEngine S5755-H Series High-Quality Multi-GE Switches | Huawei ...

CloudEngine S5755-H series high-quality multi-rate switches are Huawei's next-generation high-end access switches designed for

Jul 21, 2026

Huawei CloudEngine S5735-S-V2 Series All-Optical

For example, it can be used as an access or aggregation switch on a campus network or as an access

Aug 15, 2025

Huawei 02318169 SFP+ 10GBASE-SR Multimode Transceiver

The 02318169 10GBASE-SR LC Duplex SFP+ compatible with Huawei has a receiving function (receiver with 850nm)

Sep 21, 2025

Troubleshooting for Optical Modules on Huawei Switch

When this optical module uses OM3 multimode optical fibers, its transmission distance is 0.3 km. The optical modules used on both

May 31, 2026

Huawei OMXD30000 10G SFP+ Multi-mode 850nm 0.3km LC Price

Get more information Discover unbeatable prices and fast shipping for the OMXD30000, Huawei SFP+ Optical Transceiver, 10G,

Jul 12, 2026

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered

Feb 07, 2026

Introduction of Optical Modules on Huawei Switches

Introduction of Optical Modules on Huawei Switches On an optical network, a sender needs to convert electrical signals into optical

Mar 20, 2026

Optical Modules for Huawei S Series Switches

A switch must use optical or copper modules that have been certified for use on Huawei switches. Non-certified optical or copper

Mar 26, 2026

Huawei OMXD30000 Optical Transceiver,SFP+,10G,Multi-mode

Specifications Product Name Huawei OMXD30000 Optical Transceiver Form Factor SFP+ (Small Form-Factor Pluggable Plus) Data

Aug 21, 2025

Optical Module Solutions for Huawei S5700/S5720 Series Switches

When using switches, we may encounter many confusions, such as what types of optical modules are needed for

Contact Us

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