

Optical modules compatible with Huawei switches



AI Overview

Huawei switches support a range of certified optical modules, including SFP, eSFP, SFP+, SFP28, XFP, QSFP+, QSFP28, and CFP, across speeds from 100M to 800GE, with certification ensuring reliability and compatibility. Certification and Compatibility Huawei requires that switches use certified optical or copper modules to ensure transmission reliability and service stability. Non-certified modules may cause network issues, and Huawei does not provide support for problems arising from their use. Certification for 10GE or lower modules began on July 1, 2013, and for 40GE/100GE modules on January 1, 2016. Certified modules are labeled with "HUAWEI," and their details can be verified using commands like `display transceiver` or `display version`.

Supported Form Factors and Speeds

Huawei S series switches support a variety of optical module form factors and speeds:

- SFP:** Small Form-Factor Pluggable, supports LC fiber connectors, typically 100M–1GE.
- eSFP:** Enhanced SFP with monitoring capabilities for voltage, temperature, and optical power.
- SFP+:** High-speed SFP, commonly 10GE.
- SFP28:** Supports 25GE, same interface size as SFP+.
- XFP:** 10GE modules, larger than SFP+.
- QSFP+:** Quad SFP, supports 40GE, uses MPO connectors.
- QSFP28:** Supports 100GE, compatible with QSFP+ interface size.
- CFP:** Centum Form-Factor Pluggable, used for 100GE and higher-speed applications.

All modules are hot-swappable, allowing replacement without powering down the switch.

StarryLink Optical Modules

Huawei's StarryLink optical modules provide advanced features for data center networks:

- Transmission range** from GE to 800GE.
- Ultra-reliable and secure** with PHYSEC encryption for 100% packet security.
- Short-distance optical return loss positioning** for precise fault detection.
- Channel loss resistance technology** enhances reliability by tenfold.
- Exclusive optical path coupling algorithm...**

Article Content

Buy Tested Huawei 1G SX, LX, EX, ZX, BX Modules for

Looking for a powerful SFP module that can monitor, transmit, and receive optical power efficiently? The Huawei enhanced SFP or eSFP modules are an upgrade

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 modules cannot ensure transmission reliability and may affect service

Arista QDD-400G-DR4 Compatible 400GBASE-DR4 QSFP-DD 500m

NADDOD Arista QDD-400G-DR4 Compatible 400GBASE-DR4 QSFP-DD 1310nm 500m SMF Ethernet transceiver module and designed for RoCE networking. It is compatible with Arista 7060X6-64PE

Huawei Cables And Huawei Sfp Optic Transceivers Modules New And ...

Hi-Network supplies Cables and Huawei SFP optic transceivers modules for all series of Huawei routers, Huawei Switches, Huawei servers, and Huawei OLT. All Huawei cables and SFP optic modules are

Alcatel-Lucent (Nokia) 3HE00564CA 01 10GBASE-LR XFP Optical

The Alcatel-Lucent (Nokia) 3HE00564CA 01 is a genuine original 10GBASE-LR XFP optical transceiver, manufactured by Finisar for Nokia/Alcatel-Lucent. Designed for carrier-grade 10 Gigabit Ethernet

Can your optical modules be compatible with Huawei S6720S

Before shipping, the products undergo strict testing to ensure the compatibility and performance of the optical modules. Today, we will share with you the verification and optical module

Huawei RRU SFP

Huawei RRU SFP module, optical transmission device, low price around \$7, minimum order of 1 unit. Suitable for wholesale, available in bulk, wireless infrastructure equipment.

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H3C Gigabit Optical Modules Product Overview Adopting advanced technologies, H3C Gigabit Optical Modules feature low power consumption, hot-swap capability and wide compatibility.

Top 10 Optical Transceiver Manufacturers in the World

Sourcing optics for your data center? Discover the top 10 optical transceiver manufacturers in 2026. Compare global giants and factory-direct OEM alternatives.

Huawei Compatible Transceivers | EDGE Optical Solutions

We are a supplier of compatible Huawei optical transceiver products that are built to meet reliability and performance requirements. Compatible Huawei transceiver products are widely used among network

How to Choose the Right Fiber Optic Cable for Your Optical Transceiver

Learn how to choose the right fiber optic cable for SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP-DD, and OSFP optical transceivers. Avoid common fiber compatibility mistakes and improve

How to Choose the Right Optical Transceiver in 2025

Learn how to select the right optical transceiver for your switch or router. Compare SFP, SFP+, QSFP28, Cisco SFPs, and Huawei modules with buying tips.

Checking the Optical Module Type

When certifying an optical module, Huawei switches comprehensively verify optical module functions to ensure the optical module quality. The functions include the installation and removal, transmit and

400G Optical Modules 2026 Guide: DR4 vs. FR4 vs. LR8 Lab

400G FR4 delivers ~40% better fiber utilization in campus backbones LPO-compatible modules reduce power consumption by ~2.5W per port For 2026 deployments, prioritizing LPO

Optical Modules Compatibility: How to Ensure Interoperability Across ...

Huawei: Full compatibility with key series like the S6720S switches, which feature 24×10GE SFP+ ports and 2×40GE QSFP+ ports for high-density access. Svelol provides matching

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models providing flexible plug-and-play solutions tailored to diverse interface

10GE SFP+ Optical Modules

Fan Modules Installing a Power Surge Protector Pluggable Modules for Ports Understanding Optical Modules Understanding Copper Modules Understanding Hybrid Modules Guide to Using Pluggable

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.

Optical Modules for Huawei S Series Switches

Are Optical Modules of Huawei Switches Interchangeable with Optical Modules of Other Manufacturers? No. Huawei switches must use Huawei-certified switch optical modules.

Understanding Optical Modules

Important Notes About Using Optical Modules Certified for Huawei Switches
Understanding Optical Modules What Is an Optical Module Types of Optical Modules

Huawei OLT PON Port Licensing FAQ: Expert Answers to Network ...

The primary command to verify PON port status on Huawei OLTs is display port info. This command provides critical operational data, including whether the ONU auto-discovery feature is enabled

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://umele-pestovani.eu>

Email: info@umele-pestovani.eu

Phone: +49 152 287 6349

Address: Neue Mainzer Straße 66-68, 60311 Frankfurt am Main, Germany

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