

Optical modules compatible with both Huijue and Huawei



Article Overview

Huawei optical modules can be compatible with Huijue devices, but verification of form factor, wavelength, and interface type is essential.

Compatibility Overview

Huawei optical modules, such as the SFP-10G-LR, are designed for 10G single-mode links and support standard 10GBASE-LR protocols over G.652 fiber with LC connectivity . Huijue also offers optical modules that are Huawei-compatible, including SFP+ transceivers for 10G Ethernet links over single-mode fiber . This indicates that, in many cases, Huawei modules can interoperate with Huijue devices if the specifications match.

Key Factors for Compatibility

- **Form Factor:** Both Huawei and Huijue modules use standard SFP/SFP+ or other common form factors. Ensure the module physically fits the device port.
- **Wavelength and Fiber Type:** Modules must match in wavelength (e.g., 1310nm for LR modules) and fiber type (single-mode vs multimode). Mixing incompatible wavelengths or fiber types can prevent communication .
- **Data Rate:** The module's data rate must match the interface. For example, a 10G SFP+ module should not be used on a 1G interface .
- **Vendor Locking:** Some Huawei devices may enforce vendor checks. Using third-party modules like Huijue may require enabling multi-vendor support or verifying compatibility through device commands

Article Content

Huawei Unveils StarryLink Optical Modules That ...

At MWC Barcelona 2025, Huawei introduced the StarryLink optical modules, aimed at creating a network experience with "3S" quality (Spanning, Stable, Secure). This launch took place

Understanding Optical Modules

Therefore, optical modules are also classified into single-mode and multimode modules to support different optical fibers. Single-mode optical modules are used with single-mode fibers.

Optical Interface FAQ: Transceiver Compatibility Guidelines for Huawei

Overview & Thematic Scope This FAQ addresses one of the most critical operational decisions for network engineers managing Huawei OptiX OSN series equipment: the use of third-party optical

Can Huijue switches use Huawei optical modules

Overview A switch must use optical or copper modules that have been certified for use on Huawei switches. This article summarizes several solutions for using optical modules with switches and

Understanding Optical Modules

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

Langzhi: GPON EPON OLT ONU & SFP Manufacturer

Langzhi China is a professional FTTH equipment manufacturer specializing in GPON/EPON OLT, ONU/ONT, and SFP modules compatible with Huawei &

HUAWEI Transceiver

HUAWEI Transceiver Optical transmitter and receiver products of Gearlink optical transceiver manufacturer are trusted by customers with high compatibility, low power consumption, high quality,

Compatibility Finder — Find Compatible Optical Transceivers

OptiModule Compatibility Finder — select your switch brand and model to find compatible SFP+, QSFP28, QSFP-DD optical transceivers.

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.

Compatible Optical Transceiver Guide

Compatible Optical Transceiver Guide People who are familiar with compatible optical transceiver know that some manufacturers will encrypt their network equipment (such as switches) which means the

FAQs About Optical Modules

For details about the optical modules supported by optical ports on switches, see "Appearance and Structure" of a specific switch model in the Hardware Description. The following figure shows the

Understanding Pluggable Optical Modules

If you cannot push the optical module into an optical module cage any further, the optical module is in good contact with the board connector. When installing a CFP optical module, push the module

Fundamentals of an Optical Module

Fundamentals of an Optical Module As an important part of fiber-optic communication, an optical module is a photoelectric converter which converts electrical signals into optical signals and vice versa. An

Optical Interface FAQ: Transceiver Compatibility Guidelines for Cisco ...

Yes, our optical transceivers are engineered to be 100% functionally compatible with both Cisco and Huawei equipment. They adhere strictly to MSA standards, ensuring physical ...

Are the CloudEngine Series Switches Required to Use Optical Modules ...

The CloudEngine series switches must use optical modules that are certified for Huawei Ethernet switches. Optical or copper modules that are not certified for Huawei Ethernet switches cannot

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

Can Huijue switches use Huawei optical modules

The Huawei-developed optical modules of CE series switches support two types of optical connectors: lucent connectors or local connectors (LCs) and Multi-fiber Push On (MPO) connectors.

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 support. If your optical modules are delivered after July 1, 2013, use

Optical Modules in Intelligent Computing Scenarios

Huawei provides a full series of pluggable optical modules. A wide variety of modules give you flexible plug-and-play options for all types of interfaces.

Optical Transceiver Compatibility in Multi-Vendor Networks

A practical guide for system integrators and telecom operators managing optical transceiver compatibility across Cisco, Huawei, MikroTik and other platforms.

Huawei Unveils StarryLink Optical Modules That Deliver Ultimate

Looking ahead, Huawei aims to collaborate with industry partners to further research and innovate in data center network optical modules, promoting intelligent network upgrades and

Huawei Huawei optical module compatibility

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.

Types of Optical Modules

Multimode optical modules are used with multimode fibers. Multimode fibers have lower transmission performance than single-mode fibers because of modal dispersion, but their costs are also lower.

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