

Huawei devices use Huijue optical modules



AI Overview

Huawei devices primarily use Huawei-branded optical modules, such as the StarryLink series, and there is no official confirmation that Huijue optical modules are used. Huawei Optical Modules Huawei provides a wide range of optical modules for networking and AI computing scenarios, covering speeds from GE to 800GE. These modules are designed to deliver a "3S" network experience: Spanning (ultra-long transmission), Stable (high reliability), and Secure (enhanced security), ensuring resilient data center interconnectivity and high-speed connections for AI workloads. The StarryLink optical module series, launched globally in 2025, is Huawei's flagship brand for high-performance optical interconnects, compatible with various NICs and switches. Compatibility Considerations Huawei devices, including switches like the S5700/S5720 series, require optical modules that match the interface type, transmission rate, and fiber type. Using incompatible modules can result in connection failures or reduced performance. Huawei provides detailed guidance for module selection, emphasizing that single-mode and multi-mode fibers and modules should not be mixed, and that the module's data rate must match the port's capability. Third-Party Modules While some third-party optical modules may physically fit Huawei devices, Huawei does not officially list Huijue optical modules as supported. Using non-Huawei modules may work in some cases but can lead to limited diagnostics, reduced reliability, or unsupported operation. Huawei's own modules, such as StarryLink, undergo rigorous quality control and end-to-end R&D to ensure long-term stability and optimal performance in large-scale AI clusters. Conclusion Huawei devices are designed to work best with Huawei-branded optical modules, particularly the StarryLink series, which are optimized for high-speed, reli...

Article Content

What Is an Optical Module and Its FAQs (V300)

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 module

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

Smarter and Greener Optical Modems

In 2020, Huawei integrated optical modems and routers into one product, and launched the Huawei OptiXstar smart optical modem series. This product series is the first of its kind. It features three

Displaying Optical Module Information

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

Types of 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.

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.

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

Huawei AI CloudMatrix 384 - China's Answer to Nvidia GB200 NVL72

Huawei is making waves with its new AI accelerator and rack scale architecture. Meet China's newest and most powerful Chinese domestic solution, the CloudMatrix 384 built using the

Understanding Pluggable Optical Modules

Do not remove the black plastic latch when removing the 155 Mbit/s electrical transceiver. If the black plastic latch falls off, use an auxiliary tool, such as a pair of tweezers, to press the cage latch, as

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.

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices. Checking transceiver parameters allows users to monitor real-time

Huijue 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. eSFP: enhanced small.

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 ends must have the same transmission speed, and the interface

How to make Huijue compatible with other optical modules

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

Displaying Optical Module Information

Displaying Optical Module Information You can use the display commands to view information about the optical module on an interface, including conventional information, manufacturing information, and

Checking the Optical Module Type

Some non-certified optical modules are not designed in compliance with EMC standards and have low anti-interference capability. Additionally, they bring electromagnetic interference to nearby devices.

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.

Installing Optical Transceivers and Connecting Optical Fibers

Installing Optical Transceivers and Connecting Optical Fibers This section describes how to install optical transceivers on the SFP or SFP+ ports and connect them to the ports of the peer device using

Understanding Pluggable Optical Modules

If non-matching optical modules are used, device requirements may fail to be met, and services may fail to run properly. To replace optical modules, see [Parts Replacement-Replacing an Optical Module](#).

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.

Optical Module: Typical Optical Module Troubleshooting Procedure

Check the model of the faulty optical module. If it is not a Huawei-certified optical module, replace it with a Huawei-certified optical module. If the optical module is installed on a GE port, run the display

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-long-distance transmission, exceptional reliability, and enhanced security,

Displaying Optical Module Information

The optical module design does not comply with the EMC, its anti-electromagnetic interference capability is low, and the optical module brings electromagnetic interference to surrounding devices.

Intelligent OptiX Network | OptiX | All-Optical Networking

Huawei's intelligent OptiX network strategy aims to build intelligent, simplified, ultra-broadband, and ubiquitous next generation all-optical networks.

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