Can Huawei switches use other optical modules

Overview

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

Key Takeaways

Yes, Huawei switches support optical modules, but they must be Huawei-certified to ensure reliable operation. Huawei switches, including the S Series (such as S5700, S5720, and S5735 models), feature optical ports that can accommodate SFP (Small Form-factor Pluggable) and SFP+ transceivers for fiber connectivity. These modules allow switches to connect to single-mode or multi-mode fiber networks, supporting speeds from 100 Mbps to 10 Gbps depending on the switch model and module type.

Certification and Compatibility

Huawei requires that only Huawei-certified optical modules be used with their switches. Non-certified modules may not guarantee transmission reliability and can affect service stability. Certified modules are labeled with "HUAWEI" and are verified for interoperability with Huawei switches.

Using non-certified modules may trigger alarms in newer firmware versions (V200R001 and later), although these alarms do not prevent the modules from functioning. Supported Module TypesSFP Modules: Typically used for 1 Gbps connections over fiber. SFP+ Modules: Used for 10 Gbps connections, suitable for uplinks or core network connections.

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Single-mode and Multi-mode: Huawei switches support both fiber types, but mixing them with incompatible modules can cause connectivity issues.

Practical Considerations

When deploying optical modules on Huawei switches, ensure that: The module speed matches the port capability (e.g., do not use a 10G module on a 1G port). Fiber type (single-mode or multi-mode) matches the module type. Modules are certified by Huawei to avoid service instability and warranty issues.

In summary, Huawei switches do have optical module support, but proper selection of certified modules is essential for reliable network performance.

Article Content

FAQs About Optical Modules

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

What Is an Optical Module and Its FAQs (V200)

Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types, and naming conventions of optical modules, causes of

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.

WHAT IS AN OPTICAL MODULE AND ITS FAQS (V200)

CloudEngine series switches must use optical modules that are certified for Huawei data center switches. Optical modules that are not certified for Huawei data center switches cannot ensure

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

9 Pluggable Modules for Interfaces

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A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical or copper modules cannot ensure transmission reliability and may afect service

Does the Huawei S2700/3700/5700/6700/7700 Support the Optical

Introduce a fact: The Huawei S2700/3700/5700/6700/7700 support the Optical Modules of other vendors, learn more about Huawei S2700/3700/5700/6700/7700 Series Switches.

How To View Optical Transceiver Information On Huawei Switches

Optical modules are commonly used in switches, network cards, routers and other communications equipment, in the process of using the optical module information can be read to

Introduction of Optical Modules on Huawei Switches

Optical modules with the same standards can interoperate with each other. The standards define the rate, wavelength, and transmission distance of optical modules, but ...

Types of Optical Modules

Wavelength division multiplexing modules differ from other optical modules in center wavelengths. A common optical module has a center wavelength of 850 nm, 1310 nm, or 1550 nm, whereas a

Displaying Optical Module Information

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

Introduction of Optical Modules on Huawei Switches

When Huawei switches are connected to other products such as routers, comply with the preceding optical module interoperation rules. The following describes the standards, using 1000BASE-LX10 as

What Are the Common Types of Optical Modules?

The biggest difference between colored optical modules and other types of optical modules lies in the center wavelength. Generally, the center wavelength of an optical module can be 850 nm, 1310 nm,

Guide to Using Optical Modules

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This document provides an overall description of the CE6800&8800&9800 series switches hardware that V300R020C00 and later versions, helping you obtain detailed information about each chassis, power

Compatibility between cisco and huawei | SNBForums

We have purchased 7 units Huawei access switches, S2700-26TP-EI-AC & 1310 SFP modules from internet now we plan to add a aggregation switches, for this part, we want to use Cisco

Optical Module Troubleshooting

Optical Modules on the Local and Remote Devices Cannot Communicate Fault Description A switch is connected to a remote device through optical interfaces and optical fibers.

Understanding Optical Modules

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

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

All the optical modules listed in this section have been certified for Huawei Ethernet switches. You can also contact Huawei Technical Assistance Center (TAC) to certify your optical modules.

Contact Us

Continue your research online:

Website: https://alfa-pro.co.za
Technical inquiry: https://alfa-pro.co.za/contact.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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