

Huawei switches support optical modules



Summary of Content

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+.

Article Content

How to View Optical Module Parameters

Using a Command If an optical module is installed in a running device, you can run the display transceiver command

Optical Fiber

AOC An active optical cable (AOC) is a fixed-length optical fiber with optical modules at both ends. It can be directly connected to an

Troubleshooting for Optical Modules on Huawei Switch

Check whether the optical module is Huawei-certified. If it is not certified by Huawei, replace it with a Huawei certified one. Remove

Important Notes About Using Optical Modules Certified for Huawei ...

100GE QSFP28 Optical Modules Important Notes About Using Optical Modules Certified for Huawei Switches How to Identify

Checking the Optical Module Type

When certifying an optical module, Huawei switches comprehensively verify optical module functions to ensure the optical module

Important Notes About Using Optical Modules Certified for Huawei ...

Cards Cables Pluggable Modules for Interfaces Important Notes About Using Optical Modules Certified for Huawei

How Do I Select Optical Modules and Fibers?

Optical modules work with optical fibers to transmit optical signals. An optical module works in full-duplex mode with a pair of optical

Introduction of Optical Modules on Huawei Switches

If an optical module is installed in a running switch, you can run the display transceiver command to view parameters of the optical

Understanding Optical Modules

GPON Optical Modules Understanding Optical Modules What Is an Optical Module Types of Optical Modules Parameter Description

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

How to Identify Huawei-Certified Switch Optical Modules

10GE or Lower Speed Optical Modules Huawei started certification on 10GE or lower speed optical modules for S switch

Network Switches | Huawei Enterprise

Huawei campus switches are ideal for building future-proof campus networks with simplified management, high reliability, and service

Types of Optical Modules

This document provides an overall description of the CE5800& 6800& 7800& 8800 series switches hardware that versions earlier than

Checking the Optical Module Type

The selected optical modules must be supported by the optical interfaces. Check whether the optical module used on the switch is

Understanding Optical Modules

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

Troubleshooting for Optical Modules on Huawei Switch

Troubleshooting for Optical Modules on Huawei Switch Many friends feedback that one problems occurred when using optical

How to Identify Huawei-Certified Switch Optical Modules

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

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

Types of Optical Modules

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP,

Industrial Optical Modules

Cards Cables Pluggable Modules for Interfaces Important Notes About Using Optical Modules Certified for Huawei

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

Understanding Optical Modules

Support Documentation Switches Campus Switch S3700& S5700& S6700 Learn About Products Hardware Description

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

Optical Module Solutions for Huawei S5700/S5720 Series Switches

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

StarryLink Optical Module

Huawei's StarryLink optical modules for data center networks offer seamless interconnection from GE to 800GE across all scenarios,

Replacing an Optical Module

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

Important Notes About Using Optical Modules Certified for Huawei ...

Accessories Important Notes About Using Optical Modules Certified for Huawei Switches How to Identify Huawei-Certified Switch

Understanding Optical Modules

Important Notes About Using Optical Modules Certified for Huawei Switches Understanding Optical Modules What Is

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices.

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