

Huawei optical module switch incompatibility



Overview

Problem: All optical ports cannot be connected, and the indicator lights are not on.

Solution: To solve this problem, you can follow these steps: Check if the fiber and optical modules are compatible. Reason: Optical modules from various vendors differ in. This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.

Huawei S5720-32P-EI-AC Switch II. During use, reading optical module information helps understand its real-time operating status, enabling faster troubleshooting of link abnormalities. The verified items include optical module plug/unplug, transmit optical power, receive optical power, signal transmission quality, data. When authentication Huawei optical module, the optical module of a comprehensive verification function, effectively guarantee the quality of the optical module.



Article Content

How to Identify Huawei-Certified Switch Optical Modules

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

Risks of Using Non-Huawei-Certified Switch Optical Modules

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

Optical Fiber

You are advised to use Huawei optical modules. Optical modules from other vendors may cause incompatibility issues and lead to faults on the USG6000E.

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

Typical Troubleshooting Cases of Optical Module

Form a loop on the port using an optical fiber, and check whether the port can go Up (if optical modules with a long transmission distance are used, use optical attenuators.) Check the configuration, such

XGSPON ONU Stick with 8311 Firmware, 10G SFP

XGSPON STICK Optical Module (SFP+ PON ONU): This carrier-grade, ITU-T compliant module is your solution for next-gen FTTx deployments. Designed to

Guidelines for Interoperability and Compatibility of

If two modules with similar appearances are not noticed, they may be mixed or optical modules of the same size may be inserted into the wrong switch port. In

Huawei OPTICAL MODULE SFP+ Price

The Best Huawei Products Price List Checking Tool ICT-Router, Switch, Optical Transmission & Access Network

100G Single-Fiber Optical Module: New Choice for High-Bandwidth ...

III. Three Key Considerations When Selecting a 100G Single-Fiber Optical Module 1. Compatibility Verification: Prioritize modules that match the switch model (such as Huawei, H3C, and

High-Performance Connectivity: The Definitive Guide to CQP-85100G

Discover the details of High-Performance Connectivity: The Definitive Guide to CQP-85100G-SR4 100G QSFP28 SR4 Optical Transceivers at LonRise Equipment Co. Ltd., a leading

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Discover the details of Empowering Enterprise Connectivity: An In-Depth Look at the Huawei S5735-L48P4X-A Switch at LonRise Equipment Co. Ltd., a leading supplier in China for

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 different models of Huawei switches, and how to resolve issues encountered

Huawei OPTICAL SPLITTER MODULE Price

The Best Huawei Products Price List Checking Tool ICT-Router, Switch, Optical Transmission & Access Network

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

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 and reinstall the optical module. If

Huawei enterprise switches

Huawei switches using non-certified optical module may not be able to read the information, can not guarantee the accuracy of the information read, recommend the use of Huawei certified optical

What Is an Optical Module and Its FAQs (V200)

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,

Custom 40G QSFP+ and 50G SFP56/QSFP28 Modules

WolonFiber manufactures strictly MSA-compliant 40G QSFP+, 50G SFP56, and 50G QSFP28 optical interconnects optimized for mission-critical telecommunications and campus deployments.

How To Read Optical Module Information On Huawei Switches

Optical modules are widely used in switches, network interface cards (NICs), routers, and other communication devices. During use, reading optical module information helps understand its real

QSFP-DD-400G-SR4 Optical Transceiver 1. Summary

The Huawei QSFP-DD-400G-SR4 optical transceiver module represents a critical leap forward in short-range network solutions, delivering unprecedented bandwidth over multi-mode fiber

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.

NSComm100G Optical Transceiver Modules: A Practical Guide

This guide breaks down NS-branded QSFP28 modules—SR4, LR4, and DR—with practical advice on reach, fiber types, connectors, power, DOM, interoperability, and lifecycle

Top 10 Optical Transceiver Manufacturers in the World (2026)

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

Huawei OSN010N24 Compatible 100GBASE-LR4

Huawei OSN010N24 compatible 100GBASE-LR4 QSFP28 optical transceiver provides 100Gbe links up to 10km over OS2 (SMF) at 1310nm using LC Duplex

How Huawei CE & S Series Switches Handle Non-Certified Optical

In past projects and testing experience, it was commonly believed that Huawei CE series switches would not generate alarms when using third-party optical modules, while only ...

Breaking New Frontiers in AI Infrastructure: The Launch of the TS

Discover the details of Breaking New Frontiers in AI Infrastructure: The Launch of the TS-OPO8-858H-01C-V 800G OSFP VR8 Optical Transceiver at LonRise Equipment Co. Ltd., a leading

Top 5G Optical Module Market Companies

Explore top 5G Optical Module market companies with rankings, financials, SWOT analysis, regional dynamics, and future outlook to 2032.

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