H3C using Huawei optical modules



Overview

Can original HUAWEI optical module be used on H3C switch?

So can original HUAWEI optical module be used on H3C switch?

The answer is No. Some companies, espe.

Key Takeaways

Huawei optical modules are generally not compatible with H3C switches due to vendor-specific encryption, but third-party compatible modules can be used. Compatibility OverviewH3C switches and Huawei optical modules are designed with vendor-specific authentication and encryption. Major manufacturers like H3C, Huawei, and Cisco often embed codes in their devices to ensure that only their own modules operate correctly.

As a result, original Huawei optical modules cannot be directly used on H3C switches without modification or bypassing these restrictions.

Technical Considerations

Module Identification: H3C switches read module information such as type, wavelength, transmission distance, and vendor name from the module's coded data. If the module is not recognized, the switch may reject it or fail to operate properly.

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M Monitoring: H3C switches can monitor real-time data like transmitted/received optical power, temperature, and current. Using unsupported modules may prevent accurate monitoring and troubleshooting. Wavelength and Interface Matching: Both H3C and Huawei modules use standard wavelengths (850nm, 1310nm, 1550nm) and interface types (SX, LX, LH), but matching alone does not guarantee functional compatibility.

AlternativesThird-Party Compatible Modules: Companies like ETU-Link and Moduletek produce optical modules that are pre-programmed to work with H3C switches while offering cost savings compared to original vendor modules. Testing Before Deployment: It is recommended to test third-party modules on the target H3C switch to ensure proper operation, including link stability and DDM functionality.

Recommendations

Avoid using original Huawei modules on H3C switches due to encryption and compatibility issues. Consider certified third-party modules that explicitly support H3C devices. Verify module specifications (wavelength, distance, interface type) to match your network requirements.

Monitor module performance using H3C commands like show interface to ensure proper operation. By following these guidelines, you can maintain network stability and reduce costs while using optical modules on H3C switches.

Article Content

Can original HUAWEI optical module be used on H3C switch?

So can original HUAWEI optical module be used on H3C switch?The answer is No. Some companies, especially some famous companies, such as CISCO, HUAWEI and H3C etc., they all add password

How To Turn Off Alarms For Third-Party Modules On H3C Switches

By default, a large number of alarm messages will be generated if the module is verified as non-H3C original. H3C provides CLI commands to suppress these optical module alarm

Optical Modules in General-Purpose Computing Scenarios

Huawei offers a comprehensive portfolio of pluggable StarryLink optical modules for data center networks, with various models providing flexible plug-and-play solutions tailored to diverse interface

Optical Modules in Intelligent Computing Scenarios

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In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabilities: Spanning (ultra-long transmission), Stable (ultra-high reliability), and Secure (ultra-solid

SFP-XG-LX-SM1310 H3C Compatibility Guide for 10G Networks

Learn how SFP-XG-LX-SM1310 works with H3C devices, including compatibility checks, deployment tips, and performance insights for stable 10G networks.

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Common Non-Certified Optical Module Alarm Messages For Switches

Moduletek Laboratory has sorted out mainstream switch brands with customized compatibility restrictions, and summarizes their processing rules for third-party optical modules.

Huawei and H3C switches view optical module receiving and emitting

Huawei and H3C switches view optical module receiving and emitting and optical module information, Programmer Sought, the best programmer technical posts sharing site.

Alcatel-Lucent (Nokia) 3HE00564CA 01 10GBASE-LR XFP Optical

All optical transceivers undergo professional optical performance testing before shipment. - Compatibility verification on major brand equipment (Cisco, Huawei, Ericsson, Nokia, Juniper, HP, H3C, Arista). -

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Tired of frustrating network cabling issues? dealing with alarm-triggering optical modules, sky-high packet loss, and endless incompatibility issues after three replacements? don''t put up with it

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A complete engineering guide to Ethernet switch port types: RJ45, SFP, SFP+, SFP28, QSFP+, QSFP28, Combo, Stack, PoE, access/trunk/hybrid

Ericsson RDH 102 414/35 R1A (RTXM228-525-C25) 10G CWDM SFP+ optical ...

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Top Optical Transceiver Modules for Data Center Applications

Introduction: Why Optical Modules Are Critical to Data Center Infrastructure In today''s cloud-first, AI-driven, and 5G-enabled landscape, optical transceiver modules play a pivotal role in

How To View Optical Transceiver Information On H3C 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

Why 1.6T Optical Transceivers Overtake 800G in 2026 AI Clusters?

1.6T optical transceivers are overtaking 800G in 2026 AI clusters because NVIDIA Blackwell GB200 systems require doubled bandwidth per port, Silicon Photonics technology reduces power

Understanding Pluggable Optical Modules

Optical modules are available in various types to meet diversified requirements. Classified by transmission rate Currently, the transmission rates of optical modules cover a wide range. According

Nokia 3HE11023AAAA01 10GBASE-SR SFP+ Optical Transceiver

All optical transceivers undergo professional optical performance testing before shipment. - Compatibility verification on major brand equipment (Cisco, Huawei, Ericsson, Nokia, Juniper, HP, H3C, Arista). -

Cisco SFP vs GBIC vs XFP vs SFP+: The Practical

All NS Comm optics, patch cords, and modules are multi-brand compatible, tested for Cisco, Huawei, H3C, Arista, and Alcatel-Lucent switches.

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