H3c Huawei optical module



Overview

Support Optical modules transmit signals over optical fibers. Optical transmission features low loss and is fit for long distance transmission. H3C devices.

Key Takeaways

Huawei optical modules are generally not natively compatible with H3C switches due to vendor authentication, but third-party compatible modules can be used with proper configuration. Compatibility OverviewH3C switches perform authentication on inserted optical modules, and by default, they generate alarms if a module is not H3C-certified. Huawei optical modules are encrypted to work only with Huawei devices, so they cannot be directly used on H3C switches without triggering errors or alarms.

This is a common practice among major vendors like Cisco, Huawei, and H3C to ensure device and module compatibility and to protect their market.

Third-

Party Compatible Modules

To reduce costs while maintaining network functionality, many users turn to third-party optical modules that are specifically designed to be compatible with H3C switches. These modules can link up normally and support standard data transmission rates, but H3C may still log warnings about uncertified modules. Companies like ETU-Link and Moduletek provide such compatible modules that undergo testing to ensure proper operation on H3C devices.

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Suppressing Alarm Messages

If a third-party module is installed, H3C switches will display alarm messages indicating the module is non-H3C. These alarms do not prevent the module from functioning, and H3C provides CLI commands to suppress these messages, ensuring cleaner logs and avoiding unnecessary alerts. Performance ConsiderationsH3C devices support a wide range of optical transceivers with various data rates (from 100 Mbps to 400 Gbps) and transmission distances (short-range up to 2 km, long-range up to 10 km or more),.

When selecting a third-party module, ensure it matches the form factor (SFP, SFP+, QSFP28, etc.), data rate, and distance requirements of your H3C switch to maintain optimal performance.

Recommendation

Do not use original Huawei modules directly on H3C switches due to authentication restrictions. Use tested third-party compatible modules to ensure proper operation and cost efficiency. Suppress non-H3C module alarms via CLI commands if needed.

Verify that the module's form factor, data rate, and transmission distance match your network requirements. By following these guidelines, you can maintain network stability and reduce costs while using optical modules across different vendor devices.

Article Content

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.

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

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Whether it is faced with big data file transmission or high-definition video conference, this compatible h3c huawei ruijie gigabit single-mode single-fiber 20km lc optical module sfp 1.25g single

H3C Products Catalogue

Overview H3C S9820 switch is a high-density intelligent 100G switch for cloud data centers and high-end campus. It has powerful hardware forwarding capabilities and rich data center service features.

H3C 10GBASE-SR SFP+ Optical Transceiver, 850nm

H3C-compatible 10G SFP+ transceiver with 850nm wavelength, 300m reach, LC duplex connector. Ideal for data centers & enterprise networks. Lifetime warranty.

Optical Transceivers Manufacturer | Can Original

Switch has many brands, such as CISCO, HUAWEI, H3C, Juniper, ZTE, HP, DELL and so on, so there are varieties of brands of modules. However, the price of

H3C Compatible Transceivers and Cables

Shop high-quality Huawei compatible transceivers and cables from HPC Optics for all data center and networking applications. Lifetime Warranty!

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

400G Optical Modules 2026 Guide: DR4 vs. FR4 vs.

Our CCIE/HCIE team shares lab-tested benchmarks for DR4, FR4, and LR8, focusing on power efficiency, latency, and AI cluster scalability.

HPC Optics | SFP, SFP+, XFP, QSFP, QSFP28, QSFP

HPC Optics is a leading supplier of fiber optic transceivers and active optical cables (AOC). Our transceivers are ideal for high-performance computing networks in

SFP vs SFP+ vs QSFP28 vs QSFP-DD: 2026 Optical

SFP vs SFP+ vs QSFP28 vs QSFP-DD: Master optical transceiver selection for 1G to 800G AI networks with our lab-verified guide.

Huawei SFP Module Price

Find huawei sfp module price and other fiber optic transceivers at our reliable supplier. High-quality, compatible, and affordable solutions for your network.

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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

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

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

Optical Modules in Intelligent Computing Scenarios

Optical Modules in Intelligent Computing Scenarios In the AI era, Huawei provides a full range of GE to 800GE optical modules, featuring three major capabilities: Spanning (ultra-long transmission), Stable

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). -

Why 1.6T Optical Transceivers Overtake 800G in 2026

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

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

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