

Switches and H3C optical modules



Article Overview

H3C switches can use a variety of optical modules, but compatibility depends on module type, form factor, and whether the module is H3C-certified or a compatible third-party module.

Supported Optical Modules

H3C devices support multiple optical transceiver types, including SFP, SFP+, SFP28, QSFP+, QSFP28, QSFP56, QSFP-DD, CFP, CFP2, and CXP. These modules handle optical-to-electrical and electrical-to-optical conversions and provide functions such as optical power control, signal probing, and TX-disable. Supported data rates range from 100 Mbps to 400 Gbps, and modules are available for both short-range (≤ 2 km) and long-range (≈ 10 km) transmission. Connector types include LC, SC, and MPO with various fiber counts and polish types (PC or APC) for MPO connectors.

Compatibility Considerations

While H3C switches are designed to work with H3C-certified modules, they do not natively support modules from other brands like Huawei or Cisco due to device authentication and encryption mechanisms. Original modules from other vendors often include proprietary codes that prevent them from operating on H3C switches. However, third-party compatible modules are available that include the necessary matching codes to work with H3C devices. These modules are tested for interoperability and can provide a cost-effective alternative without compromising network stability.

Practical Guidance

Article Content

Optical Transceiver Manufacturer,H3C Switch Configuration Tutorial

Complete H3C Comware switch security configuration tutorial (MAC/IP/port binding),plus full optical module matching list

What Is an Optical Module

On an optical network, a sender needs to convert electrical signals into optical signals before sending them to a receiver, and the

H3C S6825 Series Data Center Switches

H3C S6825 high-density intelligent switch series is developed for data centers and cloud computing networks. It provides powerful

H3C Products Catalogue

H3C FS5500V2-EI series switches support a new generation of optical and electrical combined interfaces and provide 300m PoE++

Switches-H3C

H3C industrial switches can operate in -40°C - 75°C environments for a long time, and use industrial components to reach IP40

H3C S6520X-SI Series Multi-Gigabit 10GE Switches-H3C

H3C S6520X-SI series switches offer high-density 10GE forwarding and can expand 10GE ports flexibly, working at wire-speed. It

H3C S6520X-EI Series Enhanced 10GE Switches

H3C S6520X-EI Series Switches—Industry-leading high performance and scalable 10GE access switching solution developed by

H3C S6800 Series Data Center Switches

H3C S6800 series switch is H3C self-developed cloud ready data center intelligent switches. The S6800 series switch delivers cloud

H3C Gigabit single-mode optical module SFP-GE-LX-SM1310-A switch module ...

About H3C SFP-GE-LX-SM1310-A Optical Module This product belongs to the Fiber Optic Equipment category, specifically within

H3C All-Optical Network Technology White Paper-6W100

H3C provides an extensive array of iOptic Ethernet switches and PON network devices, encompassing all categories of all-optical

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your

H3c Lscm2cgt24tssc8 Optical Interface Switching Routing Engine

Use only compatible H3C optical modules. Ensure proper chassis cooling and power supply. Avoid static electricity during installation.

H3C S7500X Enterprise Core Switch Series

The H3C S7500X series switch is designed for the next-generation enterprise core networks. It adopts modular design, uses H3C's

H3C FS5500V2-EI Series Converged Optical Electrical Switches

Visualization Ability H3C FS5500V2-EI series switches support Telemetry technology, which can send the switch's real-time resource

H3C All-Optical Network Technology White Paper-6W100

In contrast, the EPON-based POL solution leverages the EPON OLT's enhanced Ethernet forwarding and switching capabilities.

Switches-H3C

Products Data Center Switches Campus Network Switches AON Network Industrial Switches Data Center Switches Ultra-wideband,

Reliable H3c Network Switch Optical Module H3c SFP-Xg-Sx-mm850

The H3C 10G series optical modules use advanced technology, with the characteristics of low power consumption, high-speed

Contact Us

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