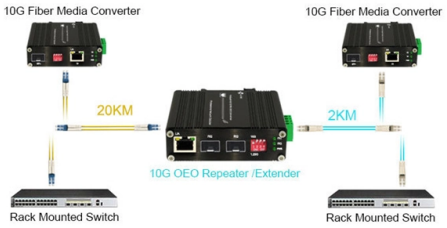
ZITHA TECH SPECIALTY CABLES (Pty) Ltd

H3C Router Optical Module



Overview

Support With high-speed CPUs, the interface modules greatly improve the service processing capability and provide Support ETU-LINK can provide optical modu.

Key Takeaways

H3C routers support a variety of optical modules including SFP, SFP+, XFP, QSFP+, CFP2, and QSFP28, enabling flexible high-speed Ethernet connectivity.Types and Compatibility

H3C routers, such as the CR series and SR8800-F, use modular optical interfaces that can accommodate different transceiver types depending on the required data rate and transmission distance. Common optical module types include:

• SFP (1.25G) for 1G Ethernet connections

• SFP+ (10G) for 10G Ethernet

• QSFP+ (40G) for 40G Ethernet

• QSFP28 (100G) for 100G Ethernet

• CFP2 for high-speed core network applications Modules can be single-mode or multi-mode, with single-mode modules typically paired with OS2 fiber and multi-mode modules with OM3/OM4 patch cords .
Features
• Hot-swappable: Optical modules can be installed or removed without interrupting other services on the router .

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• Layer 3 support: Many modules, such as HRIC-CLGQ2 and HRIC-CQ1F, provide Layer 3 Ethernet ports for routing applications .

• Flexible port operation: Some modules support multiple modes, e.g., 2-port 50GBASE-R or 1-port 100GBASE-R, depending on the installed transceivers .

• Real-time monitoring: H3C routers allow users to check module status, link state, and traffic statistics via CLI commands like show interface .
Installation and Usage
• Combo interfaces may include both SFP fiber and RJ-45 copper ports, with only one active at a time .

• Cabling: Use appropriate fiber patch cords or Category 5/6 twisted pair cables for copper ports. Maximum copper link distance is typically 100 meters .

• Environmental requirements: Ensure proper temperature, humidity, dust, and corrosive gas levels in the equipment room to maintain module reliability .
Practical Considerations
• Enterprise networks: Optical modules are ideal for connecting LANs and WANs, supporting complex topologies, load sharing, and high-security multimedia traffic .

• Compatibility: Always verify that the optical module is compatible with the specific H3C router model and interface type. Genuine H3C transceivers are recommended for guaranteed performance and compliance with SFP Multi-Sourcing Agreement (MSA) standards . By selecting the appropriate optical module, H3C routers can achieve high-speed, reliable, and flexible network connectivity suitable for both enterprise and core network deployments.

Article Content

Support

With high-speed CPUs, the interface modules greatly improve the service processing capability and provide

Support

ETU-LINK can provide optical modules of various specifications that are compatible with H3C equipment. All optical

H3C RA5300 Router Interface Modules User Manual | ManualsLib

H3C RA5300 Router Interface Modules User Manual: HRIC module specifications, LEDs, fiber and copper port connections. Read

HPE (H3C) JD091A Compatible 100M SFP Module | 100BASE-ZX

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The HYTOPTODEVICE JD091A compatible SFP Module is MSA-compliant and hot-swappable for HPE H3C network devices. This

H3C Compatible GPON OLT Stick with MAC SFP 1490nm-Tx/1310nm

This module enables seamless migration from existing Ethernet networks to optical access networks, maximizing the value of fiber

SFP-XG-LH40-SM1550-D

This H3C SFP-XG-LH40-SM1550-D is a high performance and cost effective SFP+ transceiver module

H3C CR16000-F Routers 100G Ethernet Optical Interface Module

The H3C CR16000-F Router Series offers 100G Ethernet optical interface modules, specifically the CSPC-CP1LCX and CSPC

H3C CR16000-F Routers 10G Ethernet Optical Interface Module

The H3C CR16000-F Router Series offers various 10G Ethernet optical interface modules designed for high performance and

How To View Optical Transceiver Information On H3C Switches

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

Support

5 Appendix C Optional transceiver modules Common transceiver module Transceiver module, fiber connector, and fiber view You

Support

Retrieval by Products Routers Servers Cloud Computing AD-NET (SDN) Switches Wireless Security Network Management PON

H3C All-Optical Network Technology White Paper-6W100

Network upgrade can be done simply by replacement with modules that have higher interface rates or even

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Download Book H3C SR8800-X Routers 40G Ethernet Optical Interface Module Datasheet-5W103-book.pdf (914.07 KB) Released

Switches-H3C

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Switches Campus Network Switches Services integration and intelligent access H3C has been deeply engaged in the campus

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

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Optical modules are commonly used in switches, network cards, routers and other communications equipment, in the

Optical Transceiver Manufacturer,H3C router optical module solution ...

The optical modules listed in the above table are relatively common optical modules. Among them, multi-mode optical

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Support

Optical transceiver modules Optical modules transmit signals over optical fibers. Optical transmission features low loss and is fit for

Genuine H3C Transceiver Modules

The H3C QSFP-40G-LR4-WDM1300 QSFP+ Optical Transceiver Module is designed for use in 40GBASE Ethernet throughput up to

UniServer Series-H3C

H3C rack server H3C UniServer Series Server H3C UniServer series are adaptable to various enterprise scenarios and provide

Support

H3C SR8800-F Routers Key features High performance and scalability With high-speed CPUs, the interface modules greatly

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H3C SR8800-F Routers Key features High-speed access rate The interface modules use 100GE CFP transceiver modules to provide

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Home Support Routers CR16000-F Series Product Literature Card Datasheets H3C CR16000-F Routers 10G

Support

H3C iOptic 3.0 dedicated transceiver module, similar to the hybrid copper-fiber transceiver module, is used to connect a hybrid

Support

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How to disable the SFP module on H3C vswitches, routers, and other

This is a warning when SFP module is used on H3C vswitches, routers, and other devices. It generally means that the transceiver is

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PoE optical transceiver modules available for H3C devices use PELC connectors. With conductive terminals, a PELC connector can

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Support As a leader in digital solutions, H3C supports fully integrated IT infrastructures in environments ranging from traditional

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