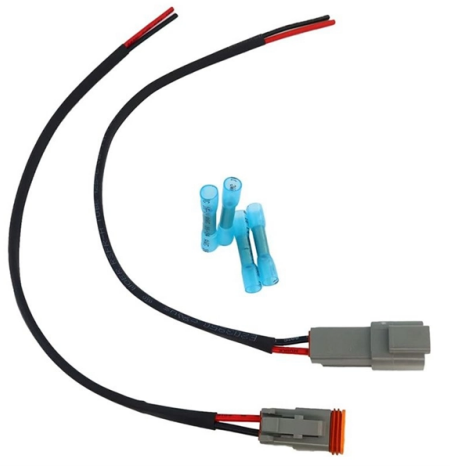
How to configure the optical port of an H3C Layer 3 switch



Overview

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

Key Takeaways

To configure an optical port on an H3C Layer 3 switch, you need to enable the interface, assign VLANs, and verify the optical module status using CLI commands. Step 1: Access the Switch CLIConnect to the switch via console, SSH, or Telnet and log in with administrative credentials. Enter system view mode to configure interfaces: CodeCopysystem-view Step 2: Identify the Optical InterfaceUse the following command to list all interfaces and locate the optical port: CodeCopydisplay interface brief This shows interface types, numbers, and current link status.

Step 3: Enable the Optical PortEnter the interface configuration mode for the optical port (e.g., XG0/1): CodeCopyinterface XG0/1no shutdown This activates the port. If the port is a combo port, ensure the electrical interface is shutdown before using the optical interface. Step 4: Configure VLANsDepending on your network design, configure the port as access, trunk, or hybrid: Access port (single VLAN): CodeCopyport link-type accessport default vlan 10 Trunk port (multiple VLANs): CodeCopyport link-type trunkport trunk permit vlan 10 20 30 Hybrid port (mixed behavior): CodeCopyport link-type hybridport hybrid permit vlan 10 20port hybrid untagged vlan 10 Ensure the VLANs exist before assigning them.

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Step 5: Verify Optical Module StatusCheck the optical module and link status: CodeCopyshow interface XG0/1 This displays the interface rate, module type, link state, and statistics. For detailed diagnostics, use: CodeCopyshow transceiver diagnosis interface XG0/1 This provides real-time metrics such as transmit/receive optical power, temperature, and bias current, helping confirm normal operation. Step 6: Save ConfigurationAfter configuration, save the changes to prevent loss after reboot: CodeCopysave Additional TipsFor combo ports, only one interface (optical or electrical) can be active at a time.

Monitor the UP/DOWN log messages to track link changes, but you can disable excessive logging if needed.

Use MAC or I

P binding if you want to restrict access to specific devices on the optical port. By following these steps, the optical port on an H3C Layer 3 switch will be properly configured, operational, and integrated into your VLAN topology.

Article Content

H3C S5120-SI SERIES CONFIGURATION MANUAL

Follow these steps to log in to your H3C switch and enter the CLI through the console port: Use the console cable shipped with your switch to connect your PC

How To View Optical Transceiver Information On H3C Switches

Optical transceivers are widely applied in switches, routers, network cards and other communication equipment. Querying transceiver parameters helps monitor real-time operation and

H3C S12500 Series Interface Configuration Manual

Page 3 The H3C S12500 documentation set includes 13 configuration guides, which describe the software features for the H3C S12500 Series Routing Switches and guide you through the software

How To Configure H3C Switch (UPDATED)

Whether you''re a network administrator or just starting out with networking, this video will provide you with the knowledge to confidently configure your H3C switch.

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They provide 24 or 48 autosensing Gigabit Ethernet ports and four SFP Combo Gigabit optical interfaces. This manual includes information on configuring the switches, managing users, and

H3C Campus Fixed-Port Switches Web-Based Configuration Guide

The H3C Campus Fixed-Port Switches Web-Based Configuration Guide describes the web functions of the H3C Campus Fixed-Port Switches, such as web overview, task fundamentals, and configuration

Optical Transceiver Manufacturer,H3C Switch Configuration Tutorial

H3C switch configuration description: Because of the use of the port learning function, it is necessary to set the number of MAC learning of the port to 0 after static binding of MAC, so that other PCs can not

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Multiple wordlist for pentesting purpose. Contribute to ArtesOscuras/Lists development by creating an account on GitHub.

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

This guide provides a clear, practical comparison among the most common transceiver types - GBIC, SFP, XFP, and SFP+ - to help you make informed procurement decisions. At Network

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Master the Basic Command Configurations of Huawei, H3C, Ruijie,

As technology advances, networking switches have become an integral part of the IT infrastructure. They play a crucial role in directing communication on the network and ensuring

H3C S1600V2 Switch Series Web Configuration Guide

Switch B is connected to the authorized DHCP server through Ethernet port 1, to the unauthorized DHCP server through Ethernet port 3, and to the DHCP client through Ethernet port 2.

H3C Switch Command Mastery: Streamlined Configuration

In today''s fast-paced network environments, H3C switches form the backbone of enterprise connectivity. While many administrators rely on GUI configurations, mastering CLI commands remains crucial for

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For the differences in the command keywords, see M-LAG configuration in H3C S6805 & S6825 & S6850 & S9850 Switch Series Layer 2—LAN Switching Configuration Guide.

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