H3C Switch Optical Port Settings



Overview

Support To configure and manage the switch through the console port, you must run a terminal emulator program, HyperTerminal or PuTTY, on your configuratio.

Key Takeaways

Use the combo enable fiber command to activate the optical mode on H3C combo ports and verify the transceiver status with display interface commands. Step 1: Access the Switch ConsoleBefore configuring the optical port, connect to the switch using a console cable or USB console port. Use a terminal emulator like TeraTerm or PuTTY with the following settings: 9600 bps, 8 data bits, 1 stop bit, no parity, and no flow control.

Ensure the switch is powered on and all modules are properly installed. Step 2: Identify the Optical PortH3C switches often use combo ports, which can operate in either copper (RJ45) or fiber (SFP) mode. Only one mode can be active at a time to avoid signal conflicts.

Determine the port number you want to configure, for example, GigabitEthernet1/0/1. Step 3: Enable Fiber ModeEnter system view and configure the port to use fiber mode: CodeCopy system-view interface GigabitEthernet1/0/1[H3C-GigabitEthernet1/0/1] combo enable fiber[H3C-GigabitEthernet1/0/1] quit This command switches the combo port to optical mode, allowing the SFP transceiver to operate. If you need to revert to copper, use combo enable copper.

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Step 4: Verify Transceiver and Link StatusCheck the optical port and transceiver status using: CodeCopy display interface GigabitEthernet1/0/1 This displays the link status, negotiation speed, transceiver type, and traffic statistics. To view all ports at once, use: CodeCopy display interface brief Ensure the link shows UP and the transceiver is properly recognized. If the link is down, verify that the SFP module is firmly inserted and the wavelength matches the connected device.

Step 5: Best PracticesEnable fiber mode during a maintenance window to avoid disrupting traffic. Use fiber mode for long-distance or high-reliability connections.

Confirm VLAN and MA

C address bindings if required for network security. Regularly monitor port statistics to detect errors or performance issues. By following these steps, you can successfully configure and manage the optical port on an H3C switch, ensuring reliable fiber connectivity and proper transceiver operation.

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