

Article Overview

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 Console

Before 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 Port

H3C 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 Mode

Enter 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` .

Step 4: Verify Transceiver and Link Status

Check 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 Practices

- o Enable fiber mode during a maintenance window to avoid disrupting traffic .
- o Use fiber mode for long-distance or high-reliability connections.
- o Confirm VLAN and MAC address bindings if required for network security .
- o 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.

The H3C Campus Fixed-Port Switches Web-Based Configuration Guide describes the web functions of the H3C Campus Fixed-Port

View and Download H3C S5120-SI Series configuration manual online. S5120-SI Series switch pdf manual download.

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

View and Download H3C S6850 Series configuration manual online. Layer 2, LAN Switching. S6850 Series switch pdf manual

In port group view, the user only needs to input the configuration command once on one port and that configuration will apply to all

Chapter 1 Command Line Interface When configuring command line interface, go to these sections for information you are interested

Link Aggregation Configuration Create an aggregation port Add Ethernet ports to

If the device has a backup next-startup configuration file, execute the reset saved-configuration backup command to delete the

Navigation pane--Provides the Web menu for device functions in a tree structure. You can easily select function menus in the

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Learn how to create users, VLANs, enable Telnet and SSH, configure Spanning Tree Protocol, enable DHCP snooping, define trunk

You can configure all the three types of ports on the same Ethernet switch. However, note that you cannot directly switch a port

Configure GigabitEthernet 1/0/1 to implement MAC-based access control so each user is separately authenticated.

H3C S3100 Series Ethernet Switches Operation Manual (For Soliton) (V1.02) Home Support Switches H3C S3100

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Web: <https://www.kremgroup.co.za>

