

Configuring an H3C Switch with an Optical to Electrical Port Adapter



AI Overview

On an H3C switch, a Combo port can be switched from optical to electrical by configuring the port to use the electrical interface, which automatically disables the optical interface.

Understanding Combo Ports A Combo port on H3C switches consists of an optical (fiber) port and an electrical (copper) port that share a single forwarding interface. Only one of the two ports can be active at a time; enabling the electrical port automatically disables the optical port, and vice versa. Combo ports can be single or double, with double Combo ports allowing separate interface views for management, but still only one active interface at a time.

Steps to Switch to Electrical Port

Access the CLI: Connect to the switch via console, Telnet, or SSH and enter system view:

```
CodeCopy<system>system-view
```

Enter the Ethernet interface view for the Combo port you want to configure:

```
CodeCopy<interface>interface interface-type interface-number
```

Replace interface-type and interface-number with the actual port identifier (e.g., GigabitEthernet1/0/1).

Set the port to electrical mode: Use the command to specify the medium dependent interface (MDI) mode:

```
CodeCopy<mdc>mdc normal or mdi auto if you want auto-negotiation. This ensures the electrical port is active.
```

Enable the port if it is shut down:

```
CodeCopy<undo>shutdown
```

Configure speed and duplex (optional, depending on your network requirements):

```
CodeCopy<speed>speed auto | 10 | 100 | 1000duplex auto | full | half
```

Using auto allows the port to negotiate speed and duplex with the connected device.

Verify the port status: Check that the electrical port is up and the optical port is inactive:

```
CodeCopy<display>display interface interface-type interface-number
```

Notes and Considerations Only one interface is active at a time; you cannot use both optical and electrical simultaneously. **Default behavior:** The port with the smaller ID is usually enabled by default, which may be optical or electrical dependin...

Article Content

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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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Use the special AM User-bind command to complete the binding between IP, MAC address and port. The command is as follows: am user-bind ip-address

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Chapter 1 Port Basic Configuration. H3C S5100-8P-SI, S5100

You can specify a Combo port to operate as an electrical port or an optical port. That is, a Combo port cannot operate as both an electrical port and an optical port simultaneously.

04-Chapter 4 Connecting Your Switch to the Network

To configure and manage the switch through the console port, you must run a terminal emulator program, TeraTermPro or PuTTY, on your configuration terminal. You can use the emulator program

H3C S5120V3-28P-EI Manual

Download the comprehensive H3C S5120V3-28P-EI Installation and Configuration Guide. Explore detailed instructions for setting up and managing this reliable Gigabit Ethernet switch with PoE support.

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For more information about twister pair cable, optical fibers, and copper cables, see H3C S7500X-G Switch Series Hardware Information and Specifications. Page 49 • Never use excessive force to the

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H3C S1850-X & S1850V2-X & S1850V2-EI Switch Series Installation Guide describes the installation, power-on, maintenance, and troubleshooting of the S1850V2-EI switches .

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