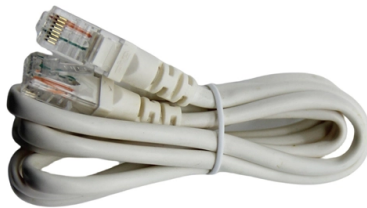


Huawei Switch Optical Port Mode



Article Overview

Huawei switch ports can be switched between electrical and optical modes using specific commands, depending on whether the port is a combo port, SFP28, or QSFP28 interface.

Combo Ports (GE Combo)

A combo port consists of one electrical (copper) interface and one optical interface sharing a single internal forwarding channel. Only one interface can operate at a time; enabling one disables the other. By default, combo ports operate in electrical mode. To switch to optical mode:

- Enter the interface view:

```
CodeCopysystem-viewinterface GigabitEthernet0/0/0
```

- Enable optical mode:

```
CodeCopycombo enable fiber
```

- To revert to electrical mode:

```
CodeCopyundo combo enable fiber
```

- Return to user view with:

```
CodeCopyreturn
```

Note: The same configuration must be applied on the peer device. The optical interface will only work after switching to fiber mode, and no copper module should be installed in the optical slot .

Article Content

Configuring a Port Combination Mode

Configuring a Port Combination Mode Context Some device models provide multiple port combination modes to improve device

Optical Modules for Huawei S Series Switches

A switch must use optical or copper modules that have been certified for use on Huawei switches. Non-certified optical or copper

Checking the Optical Module Type

For the Huawei-certified optical modules, Huawei has added Huawei logo and identifier and changed the vendor information in the

Optical Fiber

AOC An active optical cable (AOC) is a fixed-length optical fiber with optical modules at both ends. It can be directly connected to an

Ethernet Interface Configuration Commands

This page provides configuration commands for Ethernet interfaces on Huawei devices, covering settings like duplex mode and auto

FAQs About Optical Modules

For details about the optical modules supported by optical ports on switches, see "Appearance and Structure" of a specific switch

Checking TX / RX optical power for Huawei Switches and Routers

Here is an example on how to query or display optical power of an interface in a Huawei Router. This is tested using NetEngine40E

What Is an All-Optical Ethernet Switch?

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal

Checking the Interface Status and Configuration Parameters

If a message is displayed, indicating that the optical module is not in position, remove and then properly insert the optical module. If

Port: Optical Ports on the AC Cannot Go Up

Use an optical fiber to perform a loopback test on the Huawei device. If the link goes Up, the Huawei device is working properly, and

Configuring the Working Mode of a Combo Interface

You can use the electrical or optical interface based on the remote interface type. The electrical and optical interfaces share one

Example for Configuring a Combo Interface

If the local combo optical interface is connected to a remote optical interface, configure the combo interface to work in

Installing an Optical Module

CloudEngine 9800, 8800, 7800, 6800, and 5800 Series Switches Hardware Installation and Maintenance Guide (V100 and V200)

combo-port

The combo-port command configures the working mode of a combo interface. The undo combo-port command restores the default

Configuring the Working Mode of a Combo Interface

This guide explains how to configure the working mode of a combo interface on Huawei devices, including switching between

What is the combo interface of Huawei Switch

If the local combo electrical interface is connected to a remote electrical interface, configure the combo interface to work in copper

Troubleshooting for Optical Modules on Huawei Switch

When connecting switches through optical ports, pay attention to the following points: The optical modules used on both ends must

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