

Article Overview

To enable an optical port on a Huawei switch combo interface, use the `combo enable fiber` command in interface view, then configure VLAN and security settings as needed.

Enabling the Optical Interface on a Combo Port

Huawei combo ports consist of one electrical (copper) interface and one optical (SFP) interface sharing a single internal channel. Only one interface can operate at a time. By default, the combo port works in electrical mode. To switch to optical mode:

- o Access the switch CLI via console or SSH.

- o Enter system view:

```
system-view
```

- o Enter the interface view for the target combo port:

```
interface GigabitEthernet 0/0/1 (replace 0/0/1 with your port ID)
```

- o Enable optical mode:

```
combo enable fiber
```

- o To revert to electrical mode:

```
undo combo enable fiber
```

- o Return to user view:

```
return
```

After enabling optical mode, the GE SFP transceiver can operate normally. Ensure the same configuration is applied on the peer device to maintain connectivity .

Configuring VLAN and Port Security

Once the optical interface is enabled, configure VLAN and security settings to ensure proper network operation:

- o Set the port as an access port and assign a VLAN:

```
port link-type accessport default vlan 10
```

- o Apply rate limiting to prevent traffic floods:

```
qos lr outbound cir 100000
```

- o Enable MAC address binding for security:

```
port-security enableport-security mac-address sticky
```

- o Save the configuration to retain changes after reboot:

```
save
```

Huawei Switch Optical Port Enablement Settings

These steps ensure the optical port is active, secure, and properly integrated into the network .

Notes and Best Practices

- o Do not install a copper module in the optical interface; it will remain disabled.
- o If the combo interface is in auto mode, it will automatically select the optical interface if an SFP module is detected after a reboot .
- o Always verify the SFP transceiver type, connector, and distance compatibility before enabling the optical port.
- o Check the interface status after configuration:
display interface GigabitEthernet 0/0/1

Following these steps ensures that the Huawei switch optical port is correctly enabled, configured, and secured for reliable network operation.

Configuring ports on a Huawei switch is a fundamental yet critical task for network administrators. Whether you're

S1720, S2700, S5700, and S6720 V200R011C10 Command Reference This document describes all the configuration commands of

CloudEngine S5732-H Series Hybrid Optical-Electrical Switches CloudEngine S5732-H series hybrid optical-electrical switches are

Configuring Optical Interface Attributes Configuring Interface Split and Merge Configuring Unidirectional Single-Fiber Communication

I will give an example of setting up ports on Huawei switches. For the test, I will execute commands on the Huawei

CloudEngine S5736-S series switches are all-optical switches that feature 48 downlink optical ports and four uplink 10 GE ports.

In the daily maintenance of Huawei switches, we need to use various inspection commands. Today, let's take a look

This guide explains how to enable or disable an interface on Huawei devices, including principles,

Huawei Switch Optical Port Enablement Settings

configurations, and examples for

Check the physical link connection. View the indicator status on an interface. If the indicator is off, the interface is not connected.

You can connect an optical or SFP+ cable to an optical port. You need to first determine the type of the cable to be connected.

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

The system may fail to obtain information about non-Huawei-certified switch optical modules or obtain incorrect information. You are

What Is the Impact of Using Non-Huawei-Certified Switch Optical Modules? When certifying an optical module, Huawei

This document covers interface management configurations, including interface basic configuration, Ethernet interface configuration,

Use the command display transceiver to view the optical module information of all optical ports, and use the command

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