

How to turn off the optical port on a Huawei switch



Overview

After port isolation is configured, ports are isolated at Layer 2 but can communicate at Layer 3 by default.

Key Takeaways

You can disable an optical port on a Huawei switch by entering the interface view and using the shutdown command.

Steps to Disable an Optical Port

- Access the switch CLI: Connect to the switch via console, SSH, or Telnet.
- Enter system view: Use the command `system-view` to access configuration mode.
- Enter the interface view: Specify the optical port you want to disable. For example, for a 10G optical port:

`interface XGigabitEthernet 0/0/2` Replace 0/0/2 with the actual port number on your switch .

- Disable the interface: Run the command:

`shutdown` This administratively disables the port without deleting its configuration .

- Verify the port status: Use the command:

display interface XGigabitEthernet 0/0/2 If the output shows Administratively DOWN, the port is successfully disabled .

Additional Notes

- Undo shutdown: To re-enable the port, enter the interface view and run undo shutdown .
- Check optical module compatibility: Ensure the fiber type and optical module match the port specifications to avoid errors when re-enabling .
- Combo interfaces: Some Huawei switches have combo ports (optical and electrical). Disabling the optical port does not affect the electrical interface unless explicitly configured .
- Port isolation: If you want to prevent traffic without shutting down the port, you can use port isolation commands (am isolate) to restrict communication between interfaces .

By following these steps, you can safely disable an optical port on Huawei S-series switches while preserving the interface configuration for future use.

Article Content

Ethernet Interface Configuration Commands

After port isolation is configured, ports are isolated at Layer 2 but can communicate at Layer 3 by default. To configure both Layer 2

Configuring Attributes for an Optical Interface

If the connection is through a one-to-four optical cable, the 40GE port is down with the indicator off, and the local four

Replacing an Optical Module

The CE12800E series switches must use Huawei data center switches certified optical modules. Non-certified optical modules

Enabling or Disabling an Interface

If an interface is not connected to a cable or a fiber, disable the interface using the shutdown command to prevent exceptions caused

Replacing an Optical Module

Optical modules are electrostatic-sensitive components; therefore, you must take ESD protection measures when replacing optical

Replacing an Optical Module

Install or remove optical fibers carefully to avoid damaging the fiber connectors. Applying too much force to the optical fibers may

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

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

Installing an Optical Module

Do not touch the edge connector of an optical module during the installation. Install an optical module on a port before connecting

Ethernet Interface Configuration Commands

If the peer device supports 2.5 Gbit/s or 5 Gbit/s rate when the peer device connects to the MultiGE interface of Huawei switch and

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