

Huawei switch enables optical mode



Summary of Content

To enable optical mode on a Huawei switch combo interface, use the command `combo enable fiber` in interface view and ensure the connected SFP module is compatible.

Understanding the Combo Interface

Huawei switches often feature a combo interface, which includes both a GE electrical (copper) port and a GE optical (fiber) port sharing a single logical interface. Only one of these ports can operate at a time; enabling one automatically disables the other. By default, the combo interface operates in electrical mode.

Steps to Switch to Optical Mode

- Enter System View: Access the switch CLI and enter system view using the `system-view` command.
- Select the Interface: Enter the interface view for the combo port, e.g., interface `GigabitEthernet0/0/1`.
- Enable Optical Mode: Execute the command:

`combo enable fiber` This switches the interface to optical mode.

- Revert to Electrical Mode: If needed, use:

`undo combo enable fiber` to return to the default electrical interface.

- Configure Peer Device: Ensure the remote device connected to the optical interface is also configured for fiber mode; mismatched modes prevent communication.

Article Content

Master the Basic Command Configurations of Huawei, H3C, Ruijie,

As technology advances, networking switches have become an integral part of the IT infrastructure. They play a

Troubleshooting for Optical Modules on Huawei Switch

Many friends feedback that one problems occurred when using optical modules on switches, now we are providing the

How To Switch Optical/Electrical Mode On Huawei Router Combo Ports

A Combo port, also known as an optical-electrical multiplexing port, consists of one optical port and one electrical port

Huawei Switches Viewing Optical Port Receiving and Sending

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

How to View Optical Module Parameters

Viewing the Hardware Description If you know the model or type of an optical module, you can view the section

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

FAQs About Optical Modules

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

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices.

Configuring Common Optical/Electrical Interface Attributes

Configuring Common Optical/Electrical Interface Attributes This chapter describes common attributes of optical or

CloudEngine S5732-H Series Hybrid Optical-Electrical Switches

The S5732-H series optical/electrical hybrid switch provides independent optical/electrical working mode and optical/electrical

Understanding Optical Modules

Cards Cables Pluggable Modules for Interfaces Important Notes About Using Optical Modules Certified for Huawei

port mode fast-up

The port mode fast-up command enables a 10GE optical interface to go Up quickly. The undo port mode fast-up command disables a

S9300X Series Switches Hardware Description

Optical modules are encapsulated in different modes to provide different structures. Huawei S series devices support optical modules

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered

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

Example for Configuring a Combo Interface

When a combo interface works in auto mode and the combo optical interface has an optical module installed, the

Introduction of Optical Modules on Huawei Switches

If an optical module is installed in a running switch, you can run the display transceiver command to view parameters of the optical

CloudEngine S5732-H-V2 Series Switches | Huawei Enterprise

Huawei S5732-H V2 all-optical switches enable high-speed wireless access for Wi-Fi 6 networks. They support EEE and SPB. Learn

Huawei CloudEngine S5732-H Series Hybrid Optical-Electrical

It can support 1G/10G/25G/40G/100G optical uplink ports, provides one extended slot to support 8*10GE or 8*25GE subcards, meets

Optical Module Troubleshooting

If there is a Huawei logo on the label, the optical module has been certified for Huawei data center switches. If not,

Types of Optical Modules

Multimode optical modules are used with multimode fibers. Multimode fibers have lower transmission performance than single-mode

Huawei CloudEngine S5735-S-V2 Series Hybrid Optical-Electrical

With powerful aggregation and routing capabilities of CloudEngine S5735-S-V2 series hybrid optical-electrical switches make them

combo-port

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

What Can I Do If a Message Is Displayed Indicating that an Optical ...

What Can I Do If a Message Is Displayed Indicating that an Optical Module Is Not Supported During CSS Port Configuration? When

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://benniedesignstudio.co.za>

Email: sales@benniedesignstudio.co.za

Phone: +27 82 391 4765

Address: The Towers, 1 St Georges Mall, Cape Town, 8001, South Africa

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