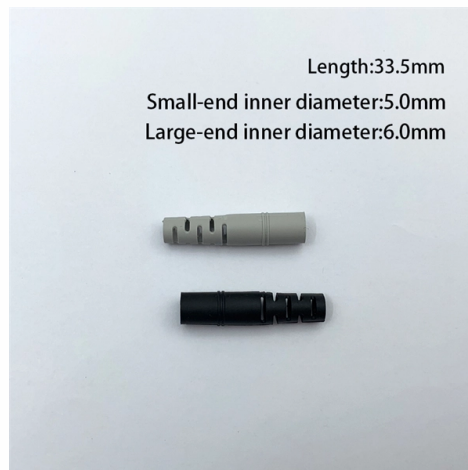


Configure Huawei Switch Optical Port



Article Overview

Huawei switch optical ports can be configured by verifying module compatibility, enabling the optical interface, and setting interface attributes via CLI commands.

1. Verify Optical Module and Fiber Compatibility

Before configuring an optical port, ensure that the optical module matches the interface speed and type of fiber: single-mode modules with single-mode fiber, and multimode modules with multimode fiber. Avoid using a higher-rate module than the interface supports (e.g., do not use a 10G module on a 1G port). Perform a loopback test by connecting the fiber jumper to the same module to check for abnormal conditions. Check the wavelength, received, and transmitted optical power using the command `display transceiver interface xgigabitethernet 0/0/2 verbose` in system view .

2. Configuring Combo Interfaces

Some Huawei switches have combo interfaces with both electrical and optical ports sharing a single logical interface. Only one port can be active at a time. To enable the optical port:

- Enter system view: `system-view`
- For GE combo interfaces: `interface GigabitEthernet0/0/0` then `combo enable fiber` to switch to optical mode, or `undo combo enable fiber` to revert to electrical mode .
- For 10GE/2.5GE combo interfaces: `port combination-mode 10GE interface interface-name` to switch to optical mode, or `undo port combination-mode 10GE interface interface-name` to revert .

Article Content

Configuring Access Port and Trunk Port on Huawei Switch

In this tutorial, we will guide you through the process of configuring access and trunk ports

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

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This article takes Huawei CE6810-24S2Q-LI and CE6860-48S8CQ-EI switches as examples, introducing the

Installing Optical Transceivers and Connecting Optical Fibers

Installing Optical Transceivers and Connecting Optical Fibers This section describes how to install optical transceivers on the SFP or

Huawei OLT Configuration

Huawei OLT aggregates various terminals and provides high-density ports, which can reduce network nodes, sites, and equipment

How to Enable Ports in Huawei Switch? Could Open Ports Unlock

This guide dives into the step-by-step process of port configuration on Huawei switches, while addressing the often

How to Enable Ports in Huawei Switch? Could Open Ports Unlock

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

Troubleshooting for Optical Modules on Huawei Switch

If the transmit power remains low, replace the optical module or install it in another optical port to check whether it is faulty. If the

Example for Configuring a Combo Interface

When you enable the electrical or optical interface, configure the interface attributes (such as the rate and duplex

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 Switch Configuration Tutorial Basic

With hands-on experience in Huawei OLT and ONT configuration, U2000 NMS deployment, iMaster NCE-FAN Lite

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

How to Configure a Trunk Port on Huawei Switch

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☐☐ How to Create VLAN on Huawei Switch | Step-by-Step CLI Tutorial☐☐ VLAN Configuration

Configuring Attributes for an Optical Interface

After configuring interface split or merge on an interface, you need to save the configuration and restart the switch to make the

How Do I Check the Interface or Port Status?

Checking Service Interface Indicators to Determine the Interface Status Observe service interface indicators to quickly identify the

How to Configure an Access Port for Data VLAN on Huawei Switch

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Ethernet Interface Configuration Commands

This document describes all the configuration commands of the device, including the command function, syntax, parameters, views,

Connecting a Cable to an Optical Port

Ensure that optical cables are routed straightly and bound neatly, and that cable ties are installed at even spacing and

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

For example, if a non-XGE optical module is installed on an XGE port, the rate of the optical module does not match the port rate. In

Access port config (Huawei)

How to set access port config on Huawei switch? An access port belongs to and carries the traffic of only one VLAN within 2-layer

How To View Optical Transceiver Information On Huawei Switches

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

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

This article takes the Huawei AR5710S-S8T2X router as an example to explain how to switch the optical and

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

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

Installing an Optical Module

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

Huawei switch configuration step by step

How to configure the Huawei Switch configuration Learn the configure Huawei switch

Configuring ports on Huawei switches

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

Contact Us

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