

How to convert the optical port of a Huawei switch



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:
system-viewinterface GigabitEthernet0/0/0
- Enable optical mode:
combo enable fiber
- To revert to electrical mode:
undo combo enable fiber
- Return to user view with:
return

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

Installing Optical Module Tutorial For HUAWEI Switch

Module installation is an important factor affecting the service life of switches and modules. In the installation process, be sure to

How to connect a new optic fibre to an ethernet switch

As we speak I just have optic fibre (Community Fibre) connected to my Huawei modem / Linksys Velop which will be

CloudEngine S5731-H Series Switches | Huawei Enterprise

CloudEngine S5731-H series hybrid optical-electrical switches provide GE/10 GE electrical downlink ports and four 10 GE uplink

Optical Module Installation and Replacement

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

6.3.9 Installing Cables and Optical Modules. Huawei E9000

Step 2 Insert the optical module and optical cable into the 10GE or 8 Gbit/s FC optical port. 1. Determine the type and installation

Replacing an Optical Module

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

How To View Optical Transceiver Information On Huawei Switches

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

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

How to View Optical Module Parameters

Using a Command If an optical module is installed in a running device, you can run the display transceiver command

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

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

Replacing an Optical Module

Exercise caution when inserting or removing the optical fiber. Do not damage the optical fiber ends. Optical modules are electrostatic

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

Displaying Optical Module Information

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

Optical Module Solutions for Huawei S5700/S5720 Series Switches

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

Introduction of Optical Modules on Huawei Switches

Introduction of Optical Modules on Huawei Switches On an optical network, a sender needs to convert electrical signals into optical

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

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

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

What Is an Optical Module

On an optical network, a sender needs to convert electrical signals into optical signals before sending them to a receiver, and the

Replacing an Optical Module

Use optical modules certified for Huawei data center switches. Non-certified optical modules cannot ensure transmission reliability

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals,

Installing an Optical Module

Installing an Optical Module Context This section describes how to install an optical module. The method used to install a copper

Optical Module Troubleshooting

Optical Modules on the Local and Remote Devices Cannot Communicate Fault Description A switch is connected to a

Optical Module Solutions for Huawei S5700/S5720 Series Switches

When using switches, we may encounter many confusions, such as what types of optical modules are needed for

Installing an Optical Module

This section describes how to install an optical module. The method used to install a copper transceiver module is the same, except

Replacing an Optical Module

Huawei-certified optical modules are strongly recommended because non-Huawei-certified optical modules cannot ensure

Replacing 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

What Is an Optical Module

An optical module is a device for converting electrical signals to optical signals and vice versa, widely used in telecommunications

Optical Modules for Huawei S Series Switches

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

Installing Optical Modules and Connecting Optical Fibers

Select optical fibers of appropriate modes, quantity, and lengths according to the optical module types, number of ports to be

Installing Optical Modules and Connecting Optical Fibers

This document describes hardware installation procedures of the S7700 and S9700 series switches, troubleshooting methods for

Contact Us

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