

Does the optical port on the Huijue switch need to be activated



Overview

FAQs About Optical Modules The switch must have optical modules certified for Huawei switches installed. Optical modules that are not certified for Huawei.

Key Takeaways

Optical ports on Huawei switches do not require separate activation; they function once a compatible optical module is inserted and the port is administratively up.

Port Operation

Huawei optical ports are designed to work automatically when a Huawei-certified optical module is inserted. The port will detect the module and attempt to establish a link without additional activation commands. However, if the port shows Administratively DOWN, it must be enabled using the undo shutdown command in system mode to bring it up.

Module Compatibility

Only Huawei-certified optical modules are guaranteed to work reliably. Non-certified modules may trigger alarms, fail to transmit data correctly, or cause interface errors. Ensure the optical module matches the port speed (e.g., do not use a 10G module on a 1G port) and fiber type (single-mode vs. multimode) to avoid connectivity issues.



Troubleshooting

If the optical port does not link up: Verify the module and fiber type are compatible. Check the port status with display interface [interface-name]. If it shows Administratively DOWN, enable it.

Use display transceiver interface [interface-name] verbose to check optical power levels and module diagnostics. Avoid mixing single-mode and multimode fibers or exceeding the module's supported transmission distance.

Summary

In short, Huawei optical ports do not need manual activation beyond ensuring the port is administratively up and a compatible optical module is installed. Proper module selection and port enabling are sufficient for the port to operate normally.

Article Content

FAQs About Optical Modules

The switch must have optical modules certified for Huawei switches installed. Optical modules that are not certified for Huawei switches cannot ensure transmission reliability and may affect service

How to use the optical port on a Huijue switch

When the transmit/receive power of the optical ports is too high, optical modules on the ports may be damaged. In this case, connect an attenuator to the optical modules.

How Do I Check the Interface or Port Status?

In Figure 22-122, the indicator numbered 4 is a 10GE optical interface indicator, and the indicator numbered 5 is a 40GE/100GE optical interface indicator. The interface is not connected or has been

How to configure a Huijue optical port aggregation switch

Optical Module Solutions for Huawei S5700/S5720 Series Switches This article summarizes several solutions for using optical modules with switches and common problems encountered during usage,

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.

Modifying the optical port speed of Huijue switch

Before installing a GE copper module on a 25GE optical interface, you need to run the port mode ge command to configure the interface to work at the rate of 1 Gbit/s.

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

After switching the interface to optical mode, the GE SFP transceiver can work normally. For related commands, please refer to the article: [How To View Optical Transceiver Information On](#)

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices. Checking transceiver parameters allows users to monitor real-time

What are the common check commands for Huawei switches?

Many data in Huawei switches need to be queried using commands, and there are also many commonly used inspection commands. Today, we will introduce the inspection commands for

What s wrong with the optical port on the Huijue switch

First, you need to check whether the working modes of the two connected ports match with each other, or whether the working modes of the interface where the SFP+ module is located

How to use the optical port on a Huijue switch

To connect a fiber, align the optical connector with the optical port and gently insert the optical fiber into the port. A fiber adapter (also called a flange) is a fiber connection component. A switch must use

Checking the Optical Module Type

When certifying an optical module, Huawei switches comprehensively verify optical module functions to ensure the optical module quality. The functions include the installation and removal, transmit and

What Is an All-Optical Ethernet Switch? Why Do We Need It ...

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal choice for building an all-optical campus network. They can function as

8 Steps to configure your network switch

Learn how to setup a network switch with ease. Switches allow you to send and receive information efficiently and securely. Get setup today!

Huawei EchoLife ONT FAQ

Huawei ONTs have indicators for power supply, registration, optical signal, and gigabit (100M and LAN). ONTs with voice, USB, wireless, and CATV functions also have indicators for telephone (TEL),

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 SFP+ ports and connect them to the ports of the peer device using

How to Use the Optical Out (S/PDIF) Port on Your PC

Learn how to make use of the Optical Out (S/PDIF) port on your PC to set up an audio connection, and enjoy the best your audio system can offer.

Company Profile

1. Company Profile Huijue Group was founded in 2002, is in the field of energy storage system in the leading technology innovation company, to provide customers with the optimal energy storage

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

