

How to configure Huijue optical modules



Overview

Following these steps will safely open and activate the optical port on your Huawei switch, ensuring reliable optical connectivity.

Key Takeaways

To set up a Huijue optical module, carefully install it into the optical port, ensure proper orientation, and configure the port speed and mode on the switch.

Physical Installation

- Wear an antistatic strap to prevent static damage to the module and switch components .
- Remove the dust plug from the optical port and keep it for future use .
- Orient the module correctly: the gold fingers should face down, and the module should align with the port without forcing it .
- Insert the module gently into the optical port until you hear a click, indicating it is securely seated .
- Connect the fiber by aligning the optical connector with the module and gently inserting it. To remove, press the clip on the connector and pull it out .
- Use optical attenuators if the transmit/receive power is too high to prevent damage to the module .

Port Configuration

- Check the default port speed: Huijue QSFP+ ports are typically 40GE by default. Some models allow upgrading to 100GE with a license .

- Assign the port type using commands such as assign port-type 100ge and restart the switch if upgrading the speed .

- Enable or disable auto-negotiation depending on your network requirements. For non-auto-negotiation mode, use undo negotiation auto and manually set the speed and duplex .

- Verify the module using commands like display transceiver to view parameters such as wavelength, transmission distance, and fiber type .

Additional Tips

- Single-mode vs. multi-mode: Ensure the module matches the fiber type (single-mode or multi-mode) and the required transmission distance .

- Labeling: Keep the module labeled for easy identification and maintenance .

- Compatibility: Confirm that the Huijue module is compatible with your switch model and firmware version . By following these steps, you can safely install and configure a Huijue optical module for reliable network operation.

Article Content

Huijue optical modules require manual enabling

Before executing this command, you must remove the connected third-party module. Otherwise, you will need to reinsert the module

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Following these steps will safely open and activate the optical port on your Huawei switch, ensuring reliable optical connectivity.

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

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Configure the optical ports of Huijue switches

Optical Module Solutions for Huawei S5700/S5720 Series Switches This article summarizes several solutions for using optical

Huijue 3560 optical module configuration

The switch uses Gigabit Ethernet SFP modules to establish fiber-optic and 1000BASE-T connections. These transceiver modules are

Ruijie Optical Module Instructions

Products support different types of optical modules. For more details, see the hardware installation instructions that come with your

How to identify Huijue optical modules

Where are the optical modules in the Huijue switch FAQs About Optical Modules For details about the optical modules supported by

Huijue optical modules require manual enabling

This chapter describes how to configure the Optical Amplifier Module and Protection Switching Module (PSM). Ruijie Optical Module

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

Enabling the optical port of the Huijue switch

Apr 28, 2026 How to use the optical port on a Huijue switch How to use the optical port on a Huijue switch This article summarizes

Optical Module: Typical Optical Module Troubleshooting Procedure

If the optical module is faulty, replace it with the spare part. If the fault is caused by the configuration or environment, advise the

Installing an Optical Module

Installing an Optical Module Context Before the installation, take ESD protection measures, for example, wear an ESD wrist strap or

Multiple Huijue Fiber Optic Switches Configuration

the best way is to use a multi-strand fiber cable. The 4-strand pre-terminated fiber optic cable consists of This article summarizes

Huijue's self-developed optical module

Overview The Huijue CFR Optical Module is a specialized optical component designed for precise optical power adjustment and

Fundamentals of an Optical Module

Fundamentals of an Optical Module As an important part of fiber-optic communication, an optical module is a photoelectric converter

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