

Huijue Adding an Optical Module



Overview

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

Key Takeaways

To add a Huijue optical module, ensure compatibility, follow ESD safety procedures, insert the module correctly, and verify fiber connections and port status. Compatibility and Preparation

Before installation, confirm that the Huijue optical module is compatible with your switch or device. Check the module type (e.g., OSFP, QSFP-DD), supported data rate (e.g., 800G), and fiber type (single-mode or multi-mode) to avoid mismatches that can affect performance or damage the module. Only use certified modules for your device to ensure transmission reliability. Wear an ESD wrist strap or gloves to prevent electrostatic discharge, which can damage the module. Keep dust plugs on idle ports and on the module before installation.

Installation Steps

- **Remove Dust Plugs:** Take off the dust plug from the optical port and keep it for future use.
- **Insert the Module:** Align the module with the port and gently insert it. If it does not fit, turn it over and try again. Avoid touching the edge connector.



- **Connect Optical Fibers:** After the module is fully seated, connect the optical fibers. Ensure the fibers match the module type (single-mode to single-mode, multi-mode to multi-mode) and check that the input optical power is within the safe range to prevent damage .
 - **Secure Fiber Connectors:** Release the locking clip on the fiber connector, gently push it in, and ensure it is firmly seated. Cover unused connectors with dust caps .
- Post-Installation Checks**
- **Verify the port status** using device commands (e.g., display interface xgigabitethernet0/0/2 for Huawei switches) to ensure the port is not administratively down .
 - **Check the wavelength, received, and transmitted optical power** to confirm normal operation .
 - **Perform a loopback test** if necessary to troubleshoot connectivity issues .
- Safety Precautions**
- **Never look directly into the optical module or fiber ends**, as laser radiation can cause eye damage .
 - **Avoid excessive force** when connecting fibers to prevent damage to the module or connectors . By following these steps and precautions, you can safely add a Huijue optical module and ensure reliable network performance.

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

Enabling the optical port of the Huijue switch

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

How To Use The Optical Port On A Huijue Switch

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

How to use the optical port on a Huijue switch

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Huijue Switch Display Optical Module

During certification of optical modules for Huawei switches, Huawei completes comprehensive functionality verification to ensure

Enable the optical port of the Huijue switch

Hold the two sides of the optical transceiver module and gently push the module into the slot. Module installation is an important

How to configure Huijue optical modules

Activa Netcom & Energy Systems provides end-to-end telecom site energy solutions: outdoor power cabinets, integrated energy

Configure the optical ports of Huijue switches

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

How to identify Huijue optical modules

How to make Huijue compatible with other optical modules An eSFP module is an SFP module that supports monitoring of voltage,

Installing an Optical Module

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

Enabling the optical port of the Huijue switch

How to use the optical port on a Huijue switch This article summarizes several solutions for using optical modules with switches and

Can H3C switches connect to Huijue optical modules

H3C switches generally require modules with compatible coding, so Huijue optical modules may work if they are specifically coded

How to configure Huijue optical modules

Configure Optical Modules Energy Storage Cabinet, energy storage system, New Energy Optical Module Solutions for Huawei

Fiber optic module connected to Huijue switch

To connect a fiber optic module to a Huijue switch, insert a compatible SFP/SFP+ module into the switch's fiber port and connect it to

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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