

Article Overview

To configure a Huijue optical module on Huawei equipment, ensure compatibility, verify interface status, and use Huawei commands to monitor and adjust optical parameters.

Step 1: Verify Compatibility

- o Ensure the Huijue optical module is compatible with the Huawei switch or router. Check the datasheet or manufacturer documentation for supported models and interface types .
- o Confirm that the module type matches the fiber type: single-mode (SMF) modules with single-mode fiber and multi-mode (MMF) modules with multi-mode fiber .
- o Avoid using modules with a higher data rate than the interface supports (e.g., do not use a 10G module on a 1G port), .

Step 2: Physical Installation

- o Insert the optical module into the correct SFP/GBIC slot on the Huawei device.
- o Use proper ESD precautions, such as wearing an anti-static wrist strap and grounding the device .
- o Ensure the fiber connectors are clean and properly seated.

Step 3: Check Interface Status

- o Use the command display interface to check the port status, link rate, and transceiver type .
- o If the interface shows Administratively DOWN, enable it with the undo shutdown command .
- o For a quick overview of all ports, run display interface brief.

Step 4: Monitor Optical Parameters

- o Use display transceiver interface verbose to view detailed optical information, including transmitted and received power, wavelength, and module temperature .
- o Ensure optical power levels are within the acceptable range for the module and fiber distance.
- o Perform a loopback test if the link is not operational by connecting the fiber jumper to the same module and checking for abnormalities .

Step 5: Certification and EEPROM Validation

- o Confirm that the Huijue module is recognized by Huawei equipment. The vendor name should appear correctly in display transceiver output .

o Some third-party modules, like Huijue, may require EEPROM encoding to ensure full compatibility with Huawei platforms . Contact the vendor if the module is not recognized.

Step 6: Troubleshooting

- o Check for mismatched fiber types or incompatible data rates.
- o Verify that the optical module is seated correctly and that connectors are clean.
- o If the module is not detected, confirm that it is supported by the Huawei device and that the firmware version is compatible . By following these steps, you can ensure that a Huijue optical module is properly installed, configured, and monitored on Huawei networking equipment, maintaining reliable optical connectivity.

Guide to Using Pluggable Modules The system may fail to obtain information about non-Huawei-certified optical modules or obtain

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

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

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

Five Suns EcoEnergy & Telecom Systems (FSE) provides outdoor telecommunication cabinets, SFP optical modules, industrial

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module

The device must use optical or copper modules recommended on the configurator because non-Huawei-certified optical or copper

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

A switch must use optical or copper modules that have been certified for use on Huawei switches. This article summarizes several

How To Read Optical Module Information On Huawei Switches Optical modules are widely used in switches, network interface cards

Logical Interface Configuration Configuring Optical Interface Attributes Configuring Interface Split and Merge Configuring

Warning: Enabling stack port cause configuration loss on the interface, continue? [Y/N]:y Error: Configuration failed.

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

Optical modules work with optical fibers to transmit optical signals. An optical module works in full-duplex mode with a pair of optical

Install an optical module, and then connect optical fibers to the optical module. Do not insert an optical module with optical fibers to

A QSFP-DD optical module is a high-speed pluggable optical module defined by QSFP-DD MSA. CXP: hot-pluggable high-density

Web: <https://www.millstraining.co.za>

