

Check the Huijue port optical module



Overview

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.

Key Takeaways

To check a Huawei switch port optical module, verify its status, power levels, certification, and link functionality using display commands and diagnostic tests. Step 1: Verify Port and Module Information

Run the command display interface to view the port status, interface rate, module type, and link state. The link should be UP for normal operation. If you are unsure of the interface number, use display interface brief to list all interfaces and their types .

Step 2: Check Optical Module Details

Use the command display transceiver interface to view detailed optical module information, including:

- Transceiver type and connector type
- Wavelength and transfer distance
- Vendor and serial number
- Digital Diagnostic Monitoring (DDM) status

- Receive (Rx) and transmit (Tx) power levels For more detailed power information, add the verbose parameter: `display transceiver interface verbose` .

Step 3: Verify Certification and Compatibility

Run `display esn interface` to check if the module is Huawei-certified. Certified modules show YES in the Certified field. Non-certified modules may work but are less reliable . Ensure the optical module matches the port type and speed (e.g., do not use a 10G module on a 1G port) and that single-mode and multimode fibers are not mixed .

Step 4: Measure Optical Power

Check that the transmit and receive optical power are within normal ranges. Abnormal Tx power may indicate a faulty module, while abnormal Rx power could indicate a problem with the peer module or fiber link .

Step 5: Perform Loopback or Self-Test

To confirm port functionality, perform a loopback test by connecting the fiber jumper to the same module. If the port goes UP, it is functioning normally. If not, try another port to isolate the fault .

Step 6: Troubleshooting

- Reinstall the optical module to see if the fault resolves.
- Check port configuration, such as auto-negotiation.
- Replace the module if it is faulty or non-certified.
- If the issue persists, reboot the switch or power cycle it, and verify the software version with `display version` . Following these steps ensures that the optical module is correctly installed, certified, and operating within normal parameters, helping maintain stable network connectivity.

Article Content

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

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

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.

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 check the optical module of Huijue equipment

Use an optical power meter to test the receive power of the port and check whether the optical fiber is disconnected. Use one optical

How to inspect Huijue s optical modules

If the transmit power remains low, replace the optical module or install it in another optical port to check whether it is faulty. If the

How to use the optical port on a Huijue switch

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

Enable the optical port of the Huijue switch

Problem: All optical ports cannot be connected, and the indicator lights are not on.

Solution: To solve this problem, you can follow

How to check if a Huijue optical module is working properly

How to check if a Huijue optical module is working properly If an optical module is not cleaned or protected properly, contaminants

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

How to check if a Huijue optical module is working properly

Remove and install the fiber and optical module to ensure that the fiber and optical module are properly connected. Check whether

Typical Troubleshooting Cases of Optical Module

Check whether the information is consistent with the optical module specifications provided in the product documentation. (For

Installing an Optical Module

Check whether the optical module is securely seated in the optical port. Keep the handle of the optical module closed, use your

How to inspect Huijue s optical modules

Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows: If the

How to check and solve the optical module failure?

Step 3: check whether the optical module itself fails or the adjacent equipment or the intermediate link fails. The port,

How to check the optical module of Huijue equipment

Optical modules are commonly used in switches, network cards, routers and other communications equipment, in the process of

Huijue Optical Module Test Report

This includes multi-interface and multi-protocol signal testing, module luminescence, light collection testing, optical performance

How To View Port Status And Optical Module Information On Juniper ...

It displays port information, including interface speed, physical link status (Physical link Up means normal transceiver

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

