

Huawei switch optical ports are not working



Overview

Check whether the optical module matches the optical fiber. If not, replace the optical fiber or optical module.

Key Takeaways

Huawei switch optical port issues are often caused by module incompatibility, incorrect configuration, or hardware faults, and can be resolved through systematic checks and diagnostics. Common Causes

- **Optical Module Compatibility:** Ensure the optical module matches the switch port type and fiber type. Single-mode modules must be used with single-mode fiber, and multimode modules with multimode fiber. Avoid using modules with a higher rate than the interface supports (e.g., 10G module on a 1G port) .
- **Port Configuration:** The port may be administratively down or misconfigured. Use the command display interface to check the port status. If it shows "Administratively DOWN," enable the port .
- **Optical Power Issues:** Low transmit or receive power can prevent the port from going up. Use an optical power meter to measure the module's transmit and receive power and ensure it is within the normal range .
- **Non-Huawei Certified Modules:** Third-party or non-certified modules may not be recognized. Replace with Huawei-certified modules if necessary .

- **Physical Installation:** Improper insertion or contamination of the optical module can cause failure. Ensure the module is correctly seated, clean the optical bores, and use dust plugs on idle ports .

Diagnostic Steps

- **Check Port and Module Status:** Run display interface and display transceiver interface verbose to view link status, module type, and optical power .
- **Loopback Test:** Connect the fiber jumper to the same module to verify if the port can go up. This helps isolate the issue to the module or the fiber .
- **Reinstallation and Reboot:** Remove and reinstall the optical module, and if necessary, reboot the switch or power cycle it. Ensure the switch software is up to date (V100R006C01SPC100 or later recommended) .
- **Check Remote Port Configuration:** Verify auto-negotiation and other settings on the connected device to ensure compatibility .

Best Practices

- Always wear an antistatic strap when handling modules .
- Avoid mixing fiber types and module rates.
- Keep optical ports clean and covered when not in use.
- Use Huawei-certified modules to ensure proper operation. If the issue persists after these steps, contact Huawei technical support for further assistance .

Article Content

Troubleshooting S Series Switch Port and Interface Problems

When connecting two devices, check whether optical modules match optical interfaces, whether optical modules match fiber models,

Optical Module Troubleshooting

Check whether the optical module matches the optical fiber. If not, replace the optical fiber or optical module. A single

Check the status of Huawei switch optical ports

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

Checking the Optical Module Type

The working temperature range of the optical module does not meet requirements, reducing the optical power at a high temperature.

Optical Module Solutions for Huawei S5700/S5720 Series Switches

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

Solution: To solve this problem,

How To Check If Interconnected Optical Ports Cannot Go Up?

If the problem is not caused by the optical modules, fibers, or intermediate device, connect the switch to another interface or replace

Huawei switch optical port not working

This document describes how to check the switch interface or port status and how to locate an interface physically down fault and

Checking the Interface Status and Configuration Parameters

If a message is displayed, indicating that the optical module is not in position, remove and then properly insert the optical module. If

Troubleshooting Optical Module Issues

Troubleshooting Optical Module Issues Symptom An optical port cannot go Up. The optical module cannot be properly

Typical Troubleshooting Cases of Optical Module

If not, replace it with a Huawei-certified optical module. If the optical module is installed on a GE port, run the display interface

Checking the Optical Module Type

The selected optical modules must be supported by the optical interfaces. Check whether the optical module used on the switch is

Common problems and solutions in the installation and use of optical ...

Problem and solution of lumen lamp not shining after installing light module Q1: The Optical transceiver and two pairs

Displaying Optical Module Information

The system may fail to obtain information about non-Huawei-certified switch optical modules or obtain incorrect information. You are

How To Check If Interconnected Optical Ports Cannot Go Up?

1. Checking the Optical Module Type Log in to the switch through Telnet or console port to check the switch model. Run the display

What Can I Do If a Message Is Displayed Indicating that an Optical ...

What Can I Do If a Message Is Displayed Indicating that an Optical Module Is Not Supported During Stack Port Configuration? When

Configuring Attributes for an Optical Interface

However, the interfaces cannot work properly. After interface split is correctly configured, the interfaces can work

Replacing an Optical Module

Huawei-certified optical modules are strongly recommended because non-Huawei-certified optical modules cannot ensure

Replacing an Optical Module

The CE12800E series switches must use Huawei data center switches certified optical modules. Non-certified optical modules

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: <https://thegalleryselfcatering.co.za>

Technical inquiry: <https://thegalleryselfcatering.co.za/contact.html>

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

