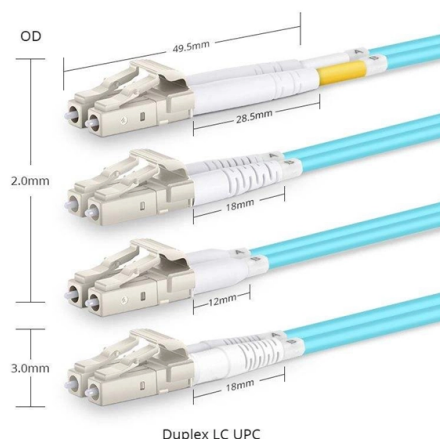


The optical port on the S5700 switch is not working



Overview

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

Key Takeaways

If the optical port on your S5700 switch is not working, the issue is often due to module compatibility, port configuration, or optical signal problems. Step 1: Check Optical Module and Fiber Compatibility

Ensure that the fiber type matches the optical module. Single-mode fibers must be paired with single-mode modules, and multimode fibers with multimode modules. Mixing these types will prevent the port from functioning. Also, verify that the optical module speed matches the port; for example, do not use a 10G module on a 1G interface .

Step 2: Verify Port Status

Use the command:

```
display interface xgigabitethernet0/0/2
```

(replace 0/0/2 with your port number) to check if the port is administratively down. If it shows Administratively DOWN, the port is disabled and must be enabled with the undo shutdown command .

Step 3: Test the Optical Signal

Perform a loopback test by connecting the fiber jumper to the same optical module. Check for abnormal conditions. Additionally, verify the wavelength, received, and transmitted optical power using:

```
display transceiver interface xgigabitethernet0/0/2 verbose
```

This will show if the optical signal is within normal operating ranges .

Step 4: Inspect Physical Connections

- Ensure the optical module is fully seated in the port.
- Check the fiber connectors for dust or damage. Clean if necessary.
- Use an anti-static wrist strap when handling modules to prevent ESD damage .

Step 5: Additional Considerations

- If the port is part of a stacked configuration, ensure the stacking connections are correct.
- Confirm that the switch firmware supports the optical module in use.
- If the problem persists after these checks, collect diagnostic logs and contact Huawei technical support for further assistance . By following these steps, you can systematically identify whether the issue is due to hardware, configuration, or signal problems and take corrective action to restore optical port functionality.

Article Content

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,

Troubleshooting for Optical Modules on Huawei Switch

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

S5700 Series Switches Hardware Description (V200)

If the optical port has an optical module installed and the electrical port has an Ethernet cable connected, the optical port is used for

S5700 Series Switches Product Description (V200)

The switch can be easily upgraded through optical module replacement to provide higher bandwidth (for example, from 10 Gbit/s to

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 and Troubleshooting Eth-Trunks for S5700 Switches (V200)

For example, GE electrical interfaces and GE optical interfaces can be added to the same Eth-Trunk. In V200R011C10 and later

S5700-HI Series Advanced Gigabit Switches

S5700-HI Series Advanced Gigabit Switches The S5700-HI series switches are advanced Gigabit Ethernet switches developed by

HUAWEI S5700-LI SERIES MANUAL Pdf Download | ManualsLib

Page 6 Up/Down states of links, presence/absence of optical modules, shutdown and undo shutdown operations on ports, and peak

Configuring a Port Group

For example, a port group consists of optical and electrical interfaces. If you run the transceiver power low trigger error-down

Troubleshoot Fiber Links on Catalyst 9000 Series Switches

Introduction This document describes how to troubleshoot fiber optic interfaces by addressing some of the fiber optic

S300, S500, S1700, S2700, S5700, and S6700 V200R021C00, C01

By default, 10GE SFP+ Ethernet optical ports on a device work at a maximum rate of 10 Gbit/s. To enable these ports to work at a

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Technical inquiry: <https://danialonso.es/contact.html>

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

