Huawei switch optical port yellow



Overview

Typical Troubleshooting Cases of Optical Module (For details about the commands for querying port information, see the command reference of a specific swit.

Key Takeaways

A yellow LED on a Huawei switch optical port usually indicates a warning or abnormal status, such as low optical power, link issues, or module faults.

Meaning of Yellow Light

On Huawei switches, optical ports use LED indicators to show status: Green: Port is up and operating normallyYellow/Amber: Port is in a warning state or not fully operationalOff: Port is down or no link detected A yellow light often signals that the optical module is detected but the link is not fully established, or that receive/transmit power is outside the normal range.

Troubleshooting Steps

Check Interface Status Use the command: CodeCopydisplay interface This shows the interface link status, speed, duplex, and traffic statistics. Ensure the interface is administratively up and the link is active. Check Optical Module Information Use the command: CodeCopydisplay transceiver interface verbose This provides detailed DDM information including: Transmit and receive optical powerVoltage and bias currentTemperature Compare the receive power with the module's specifications; low or high power can trigger a yellow LED.

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Verify Physical Connections

Ensure the fiber is properly connected and cleanCheck for damaged cables or connectorsConfirm the correct type of SFP module is used for the link distance and wavelength.

Check Configuration Consistency

Ensure both ends of the link have compatible speed and duplex settingsVerify that the interface negotiation mode matches the peer device.

Replace or Test the Optical Module If the DD

M readings are abnormal or the link still fails, try replacing the SFP module with a known good one to isolate hardware issues.

Additional Tips

Use display transceiver diagnosis interface to get diagnostic parameters for troubleshooting.

Yellow LE

Ds can also appear temporarily during link negotiation or if the module is warming up; monitor for a few minutes before taking action. Keep firmware updated, as some optical module compatibility issues are resolved in newer switch software versions. By following these steps, you can identify whether the yellow LED is caused by optical power issues, configuration mismatches, or hardware faults and take corrective action to restore normal operation.

Article Content

Typical Troubleshooting Cases of Optical Module

(For details about the commands for querying port information, see the command reference of a specific switch model.) Use an optical power meter to measure the receive power of the port.

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, you can follow these steps: Check if the fiber and optical modules

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices. Checking transceiver parameters allows users to monitor real-time

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How To Check If Interconnected Optical Ports Cannot

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

Huawei Switches Viewing Optical Port Receiving and Sending

Use the command display transceiver to view the optical module information of all optical ports, and use the command display transceiver interface interface-type interface-number to view the

Troubleshooting for Optical Modules on Huawei Switch

Check whether the optical module is Huawei-certified. If it is not certified by Huawei, replace it with a Huawei certified one. Remove and reinstall the optical module. If ...

Netronixbd/OLT-and-Switch-Config-Troubleshooting

It contains configuration commands, troubleshooting methods, power-check commands, and best practices for multiple OLT brands. Whether you''re managing a large ISP or setting up a lab,

How to Troubleshoot transceiver issue in Huawei switch/router/devices

Receiving power too low (If Current RX Power < Default RX Power Low Threshold): May cause port down or packet loss, check whether distance is too far that is over the limit of the module

Top 5 Huawei Display Commands That Make Network Management

In this post, we will explore the top 5 Huawei display commands that can make your daily tasks easier and improve your understanding of what is happening behind the scenes.

Optical Module Solutions for Huawei S5700/S5720 Series Switches

When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered

How Do I Check the Interface or Port Status?

Checking Service Interface Indicators to Determine the Interface Status Observe service interface indicators to quickly identify the service interface status. The following uses the S6730-H48X6C as

Intelligent OptiX Network | OptiX | All-Optical

Huawei''s intelligent OptiX network strategy aims to build intelligent, simplified, ultra-broadband, and ubiquitous next generation all-optical networks.

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Displaying Optical Module Information

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

Port: Optical Ports on the AC Cannot Go Up

Use an optical fiber to perform a loopback test on the Huawei device. If the link goes Up, the Huawei device is working properly, and the fault may occur on the peer device or the link.

Displaying Optical Module Information

What Is the Impact of Using Non-Huawei-Certified Switch Optical Modules? When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical

Optical Module Troubleshooting

Fault Description A switch is connected to a remote device through optical interfaces and optical fibers. The two optical ports are Down and cannot communicate with each other.

Troubleshooting for Optical Modules on Huawei Switch

When connecting switches through optical ports, pay attention to the following points: The optical modules used on both ends must have the same wavelength. The receive power must be within the

ES5D21G16S00 (16-Port GE SFP Front Optical Interface Card)

Card Overview The ES5D21G16S00 provides sixteen GE SFP optical ports for data access and line-rate switching. The ES5D21G16S00 can be installed in the front card slot of the switch models listed in

Related Video Reference

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

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