

Check the status of Huawei switch optical ports



AI Overview

You can check Huawei switch optical ports using commands like `display interface`, `display interface brief`, and `display transceiver interface verbose` to monitor link status, transceiver health, and traffic statistics.

Viewing Port and Link Status To check the operational status of an optical port, use the command: `CodeCopydisplay interface` This command shows the port rate, link status (UP/DOWN), transceiver type, and traffic statistics, helping identify issues such as packet errors or mismatched negotiation modes. For a quick overview of all ports, run: `CodeCopydisplay interface brief` This displays the Up/Down state of all interfaces, allowing you to quickly identify inactive or administratively down ports.

Checking Transceiver Information To monitor the optical transceiver itself, including vendor, serial number, wavelength, transmit/receive power, temperature, and voltage, use: `CodeCopydisplay transceiver interface verbose` This command provides detailed DDM (Digital Diagnostic Monitoring) data, which is essential for diagnosing physical layer issues like signal loss, overheating, or incompatible optics.

Troubleshooting Common Issues

- Administratively Down:** If the interface shows "Administratively down," it has been manually shut down. Use `undo shutdown` to enable it.
- Link Down:** If the interface shows "Down," check that both ends have matching rate, duplex, and negotiation settings. You may need to restart the interface or disable auto-negotiation with `undo negotiation auto` if negotiation fails.
- Traffic Errors:** Use `display interface` to check for CRC errors, collisions, or discarded frames, which can indicate fiber or transceiver issues.

Additional Useful Commands

- `display current-configuration interface` : View port configuration.
- `display mac-address` : Check MAC address table for the port.
- `display port vlan` : Verify VLAN membership of the port.
- `display power mana...`

Article Content

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 To Check If Interconnected Optical Ports Cannot Go Up?

Run the display device command to check the switch model. Different optical interfaces may support different types of optical modules. The selected optical modules must ...

How to Know Optical Power SFP-Detail Link-Details & Port ...

Hello friends,Welcome to Technical HakimIn this tutorial, we will learn how to verify port type, speed, link status, port optical rx and tx optics power, sfp...

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

Checking the Physical Link Status

Check the physical link connection. View the indicator status on an interface. If the indicator is off, the interface is not connected. Replace the interface or network cable and try again. Check whether

Checking Whether the Switch Port Status Is Normal

If the negotiation fails, the switch and the IPC are interconnected with the lowest speed. Currently, the IPC port is a 100 Mbit/s electric and optical port. The normal negotiation result should be full duplex

Huawei Optical Switch View Optical Module Commands

Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows: ... View the general, manufacturing, alarm, and diagnostic

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

How To Check If Interconnected Optical Ports Cannot

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

How to Check Port Status in Huawei Switch? Is Your Network Health ...

The port status on your Huawei switch acts like a real-time health monitor for your network. A single port flickering between UP and DOWN can cripple connectivity, slow ...

What are the common check commands for Huawei

Many data in Huawei switches need to be queried using commands, and there are also many commonly used inspection commands. Today, we will

Optical Module Troubleshooting

Check whether the label of the optical module has a Huawei logo: If there is a Huawei logo on the label, the optical module has been certified for Huawei data center switches.

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

What are the common check commands for Huawei switches?

To view port configurations, you can use the command display current-configuration interface. To check the port status, you can use the command display interface brief.

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

9 Query Commands for Huawei Switches

This article will introduce in detail the nine query commands of Huawei switches to help you quickly understand the operating status and configuration information of the device, so as to

How Do I Check the Interface or Port Status?

For example, if a Layer 3 physical interface is connected correctly, its attribute configuration is correct, and it is not configured with an IP address, its physical status and protocol status are up and down

How to View Optical Module Parameters

Using a Command If an optical module is installed in a running device, you can run the display transceiver command to view parameters of the optical module, including the center

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When you introduce a Huawei backbone switch into an existing network where Cisco switches were originally configured, issues with VLAN configurations and port status color changes

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S3700& S5700& S6700 Series: Access the latest firmware, download and update.

Troubleshooting Interface Down Problems

Troubleshooting Interface Down Problems This document describes how to troubleshoot the fault that an interface is down. An interface may go down in many situations. To check the interface status, run

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. ...

How to Check Port Status in Huawei Switch? Is Your

For hybrid environments, document each switch's port-naming conventions to avoid confusion during troubleshooting. Port Status Is Your Network's Pulse Checking

Troubleshooting S Series Switch Port and Interface Problems

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

Troubleshooting S Series Switch Port and Interface Problems

Troubleshooting S Series Switch Port and Interface Problems This document describes how to check the switch interface or port status and how to locate an interface physically down fault and restore the

Displaying Optical Module Information

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical or copper modules cannot ensure transmission reliability and may affect service

Huawei S Series Campus Switches Troubleshooting Guide (V100 and

Checking the PoE Capability in the Product Documentation The Hardware Description describes hardware features of each device, helping you obtain detailed information about each

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