

Checking the optical ports on a Huawei 5024e switch



Article Overview

Use Huawei CLI commands like `display transceiver` and `display interface` to check optical port status, module details, and diagnostic information.

Viewing Optical Module Information

To check the optical transceivers on your Huawei 5024e switch:

- View all optical ports: Run the command:
`display transceiver` This shows the type, connector, wavelength, transfer distance, vendor, and basic operational status of all optical modules on the switch .
- View a specific port: Use:
`display transceiver interface` Replace and with the port identifier (e.g., GE1/0/1) to see detailed information for that port .
- Detailed diagnostics (DDM): For receive and transmit power, temperature, voltage, and bias current, add the verbose parameter:
`display transceiver interface verbose` This provides real-time monitoring data for troubleshooting and performance analysis .

Checking Port Link Status

To verify if the optical port is operational:

- Check interface status:
`display interface` This shows the link status (UP indicates normal operation), port rate, transceiver type, and traffic statistics

Article Content

FAQs About Optical Modules

For details about the optical modules supported by optical ports on switches, see "Appearance and Structure" of a specific switch

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

How to Check SFP Power in Huawei Switch? Is Your Network

If your network feels sluggish or devices mysteriously disconnect, the culprit might be smaller than you think—buried inside your

Checking Optical Module Information of the Interface

Procedure Run the display interface interface-type interface-number transceiver [verbose] command to check optical module

Netronixbd/OLT-and-Switch-Config-Troubleshooting

It contains configuration commands, troubleshooting methods, power-check commands, and best practices for multiple

Checking TX / RX optical power for Huawei Switches and Routers

Here is an example on how to query or display optical power of an interface in a Huawei Router. This is tested using NetEngine40E

Installing an Optical Module

Install an optical module, and then connect optical fibers to the optical module. Do not insert an optical module with optical fibers to

Device Status Checking Commands

To check the number of MAC addresses of a switch, run the display device mac-number command. If the switch has multiple MAC

huawei switch cheat sheet · GitHub

Huawei Switch Discovery Tool: The Huawei Switch Discovery Tool is a free and open-source tool that can be used to

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices.

Configuring Attributes for an Optical Interface

Converted interfaces go Up after the switch restarts and the configurations delivered when the split interface is in

OLT's Upper-Layer Network Is Faulty

Check fiber quality on the upper-layer network. Ping the network IP from the OLT. If packets are lost, perform the following

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,

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.

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

HUAWEI S Series Switch-Identify a Huawei-Certified Optical Module

HUAWEI S Series Switch-Identify a Huawei-Certified Optical Module video demonstrates how to identify a Huawei

Huawei S Series Campus Switches Troubleshooting Guide (V100 and

Fixed switches can use built-in power modules or pluggable power modules. A switch with built-in power modules

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

Checking the Optical Module Type

When certifying an optical module, Huawei switches comprehensively verify optical module functions to ensure the optical module

What are the common check commands for Huawei switches?

Many data in Huawei switches need to be queried using commands, and there are also many commonly used

Installing an Optical Module

A switch must use optical or copper modules that have been certified for use on Huawei S switches. Non-certified optical or copper

Checking TX / RX optical power for Huawei Switches and Routers

Checking TX / RX optical power for Huawei Switches and Routers Here is an example on how to query or display optical power of an

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

Optical Module Installation and Replacement

Do not touch the edge connector of an optical module during the installation. Install an optical module on a port before connecting

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

Troubleshooting for Optical Modules on Huawei Switch

Check whether the fiber length between the two ports is within the maximum transmission range of the optical modules on the ports.

Contact Us

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