

View port optical module information on Huijue switches

Article Overview

Use the display transceiver and display transceiver diagnosis commands to view detailed optical module information on Huawei switches.

Basic Commands

o View all optical modules on the switch:

`CodeCopydisplay transceiver` This command lists all optical ports and their modules, showing type, vendor, wavelength, and transfer distance .

o View a specific optical module on an interface:

`CodeCopydisplay transceiver interface` Replace and with the actual interface, e.g., `GigabitEthernet 0/0/1` .

o View detailed diagnostic information (DDM):

`CodeCopydisplay transceiver interface verbose` This provides real-time data such as temperature, voltage, bias current, transmit and receive power, and alarm thresholds .

o Run diagnostics on a module:

`CodeCopydisplay transceiver diagnosis interface` This command checks the module's operational status and reports any faults or abnormal readings .

Additional Information

o Interface status check: Use `display interface` or `display interface brief` to confirm the link is UP before interpreting module data .

o Module details: Output typically includes transceiver type, connector type, wavelength, transfer distance, vendor name, serial number, and manufacturing date .

o Certified modules: Huawei recommends using Huawei-certified optical modules to ensure accurate readings, proper installation, and device compatibility. Non-certified modules may cause data bus errors, interface damage, or incorrect diagnostic information .

Practical Tips

o Always verify the interface is active before checking module data.

o Use the verbose parameter for troubleshooting power or signal issues.

o Regularly monitor DDM parameters to prevent failures due to temperature, voltage, or current anomalies.

o Avoid non-Huawei-certified modules to maintain switch reliability and accurate monitoring. By following these commands and guidelines, you can effectively monitor, diagnose, and maintain optical modules on Huawei switches.

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We have previously shown like Cisco, H3C, Huawei, these mainstream host brands how to read access to the switch

Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as

Optical modules work on the switch usually need to read the internal information of the module to understand its

In V100R006C03 or V100R006C05 of fixed or modular switches The RX Power (dBm) field in the command output

When optical modules are installed on switches, it is necessary to read internal module parameters to monitor

If an optical module is installed in a running switch, you can run the display transceiver command to view parameters of the optical

Step 2. In the Privileged EXEC mode of the switch, use the show fiber-ports-optical-transceiver command by entering

This article provides instructions on how to view the Optical Module Status on your switch.

Using a Command If an optical module is installed in a running device, you can run the display transceiver command

Optical Module Solutions for Huawei S5700/S5720 Series Switches This article summarizes several solutions for using optical

View the general, manufacturing, alarm, and diagnostic information of the specified port optical module.
Table 1 Description of the

The following uses the Moduletek SFP-10G-LR module connected to a Huawei S6700 switch as an example to introduce how to read

Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters,

Reading internal transceiver data helps monitor link status, optical power, temperature and coding compatibility

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If you know the model or type of an optical module, you can view the section "Pluggable Modules for Interfaces" in the Hardware

ABC Stimulo Photonics designs and manufactures fiber optic cables, optical transceivers, ODF frames, data center cabling solutions,

Web: <https://www.kremgroup.co.za>

