

How to check the optical power of a Huawei switch



AI Overview

To check optical power levels on a Huawei switch interface, use the command `display interface transceiver verbose` to retrieve detailed information about the optical module, including current RX and TX power levels.

Steps to Check Optical Power Levels

Access the Command Line Interface (CLI): Connect to your Huawei switch using a terminal emulator or console connection.

Use the Command: Enter the following command to display the optical power levels for a specific interface:

```
BashCopydisplay interface [interface-type] [interface-number] transceiver verbose
```

Replace [interface-type] with the type of interface (e.g., GigabitEthernet, TenGigabitEthernet). Replace [interface-number] with the specific interface number (e.g., 1/0/1).

Review the Output: The command will provide detailed information about the optical module, including:

- Current RX Power (dBm):** Indicates the received optical power.
- Current TX Power (dBm):** Indicates the transmitted optical power.
- Thresholds:** Displays the high and low thresholds for both RX and TX power, which can help identify potential issues if the values exceed these thresholds.

Example Command For example, to check the optical power on a Gigabit Ethernet interface 1/0/1, you would enter:

```
BashCopydisplay interface GigabitEthernet1/0/1 transceiver verbose
```

Additional Commands To view a summary of all interfaces and their optical module status, you can use:

```
BashCopydisplay interface brief
```

For more detailed diagnostics, you can also use:

```
BashCopydisplay transceiver interface [interface-type] [interface-number] verbose
```

This command provides additional diagnostic information about the optical module, including temperature, voltage, and bias current. By following these steps, you can effectively monitor and troubleshoot optical power levels on your Huawei switch interfaces.

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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:

128k-tokens/o200k_base.txt at main · willhama/128k

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How Do I Check the Transmit and Receive Optical Power of an

Run the `display interface transceiver verbose` command to check the transmit and receive optical power of an optical module. In the command output, Current RX Power (dBm) and Current TX Power (dBm)

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 Universal Service Router or NE40E running version 8.x OS.

How To View Optical Transceiver Information On Huawei Switches

1. Transceiver identity information: model, wavelength, transmission distance, SN, manufacturer data stored in module EEPROM. 2. Real-time DDM values and alarm thresholds.

How Do I Query the Optical Power of an Interface?

How Do I Query the Optical Power of an Interface? You can run the `display interface [ interface-type interface-number [ slot slot-id ] transceiver verbose` command to check the optical

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CloudEngine S5700 Series Switches Hardware Description (V600)

Power Supply System The switch is a PoE switch and supports three power module slots, each of which can have a 1000 W PoE or 600 W PoE power module installed. Pluggable AC and DC PoE power

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 optical module is faulty, send it ...

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types,

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Understanding Optical Modules: Types and

Execute the command `display interface transceiver verbose` to check the optical module's diagnostic information and look for any alarm information regarding

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

Sending power too high (Current TX Power > Default TX Power High Threshold):
Sending signal is too strong, may burn the receiving end, may indicate sending transceiver is broken.

Contact Us

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