

Huawei switches can check optical attenuation



Article Overview

Use the display transceiver and display transceiver diagnosis commands to view optical attenuation and module diagnostics on Huawei switches.

Viewing Optical Module Information

To check optical attenuation and related parameters, Huawei switches provide commands that display both general and diagnostic information of the optical module:

- **Basic Module Information** Run the command:
`display transceiver [ interface interface-type interface-number | slot slot-id ] [ verbose ]` This command shows the optical module type, vendor, wavelength, transfer distance, and current transmit (TX) and receive (RX) power levels. Using the verbose option provides detailed information including optical attenuation, voltage, current, and temperature readings .
- **Diagnostic Monitoring (DDM) Information** For real-time diagnostics, execute:
`display transceiver diagnosis interface [ interface-type interface-number ]` This displays Digital Diagnostic Monitoring (DDM) data, including:
 - TX Power (dBm) – current transmitted optical power
 - RX Power (dBm) – current received optical power
 - High/Low Thresholds – alarm limits for optical power
 - Bias Current (mA) – laser drive current
 - Voltage (V) and Temperature (°C) – operational status of the moduleBy comparing the TX and RX power values with the expected link budget, you can determine the...

Article Content

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

Huawei S Series Campus Switches Troubleshooting Guide (V100 and

Why Cannot Connected Optical Ports Go Up After Single-Fiber Bidirectional Optical Modules Are Used? How Do I Ensure that the

Analyze Optical Power

In optical power analysis, the actual optical attenuation is compared with the theoretical value to determine the quality of the optical

Optical Interface Interconnection Is Abnormal on CE Switches ...

Depending on the transmit optical power and overload optical power, optical modules are classified into short

Checking the Working Modes

Replace the optical module or fiber. Check whether the optical module and fiber meet requirements. Use an optical

Huawei MiniFTTO Optical Power Calculator

A PON network uses an optical fiber for upstream and downstream bidirectional communication. Optical signals can be normally

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,

Typical Troubleshooting Cases of Optical Module

Possible causes include: The connector attenuation of the optical fiber exceeds the attenuation threshold, or the optical fiber is bent

Huawei Switch Optical Attenuation Information

Setting Optical Power Alarm Thresholds Huawei-certified switch optical modules are recommended. If non-Huawei-certified switch

Troubleshooting for Optical Modules on Huawei Switch

Many friends feedback that one problems occurred when using optical modules on switches, now we are providing the

FAQs About Optical Modules

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

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

Run the display interface transceiver verbose command to check the transmit and receive optical power of an optical module. In the

Checking the Receive and Transmit Optical Power

Run the display interface interface-type interface-number transceiver verbose command to check whether the receive optical power

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

Displaying Optical Module Information

To determine whether optical modules delivered for Huawei S switches before January 1, 2016 are certified ones, contact Huawei

Analyzing the Optical Power

The optical power attenuates after being transmitted through the optical components or optical fibers. Normally, the actual

Displaying Optical Module Information

How Can I Determine Whether an Optical Module Is a Huawei-Certified Switch Optical Module? Obtain the electronic label of the

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

Displaying Optical Module Information

If an optical module on an interface is faulty, you can run the display commands to view information about the optical module.

Huawei Switch Optical Attenuation Information

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

How to check optical attenuation on a Huawei S5320 switch

Execute the command, display transceiver [interface interface-type interface-number | slot-id] [verbose] to check the optical

Displaying Optical Module Information

Displaying Optical Module Information You can use the display commands to view information about the optical

Teach you to read the DDM information of the optical module on the ...

The following picture is the optical module information queried on the Huawei switch, which is marked with the

How To View Optical Transceiver Information On Huawei Switches

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

Displaying Optical Module Information

How Can I Determine Whether an Optical Module Is Huawei-Certified? A switch must use optical or copper modules

Using the OTDR to Locate Abnormal Attenuation Points on the Optical

The optical time domain reflectometer (OTDR) is usually used for locating abnormal attenuation points on the optical line.

Introduction of Optical Modules on Huawei Switches

Check Optical Module Parameters: If an optical module is installed in a running switch, you can run the display transceiver command

Checking the optical attenuation of Huawei switches

Run the display transceiver [interface interface-type interface-number | slot slot-id], to view the information on the optical module

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

FAQ-How Do I View the Transmit and Receive Optical Power of an Optical ...

Modular Switch V200R002& V200R003 The Current Rx Power (dBm) field in the command output indicates the

Checking the Optical Module Type

The selected optical modules must be supported by the optical interfaces. Check whether the optical module used on the switch is

Displaying Optical Module Information

Obtain the electronic label of the optical module and contact Huawei technical support personnel to confirm whether it is a Huawei

Contact Us

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