

Checking the optical attenuation of Huawei switch ports





Overview

Check whether the local and remote optical modules have the same wavelength. Related Information Video Identify a Huawei-Certified Optical Module Run the display transceiver [interface interface-type interface-number | slot slot-id] [verbose]. During use, reading optical module information helps understand its real-time operating status, enabling faster troubleshooting of link abnormalities.



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Typical Troubleshooting Cases of Optical Module

Check whether the information is consistent with the optical module specifications provided in the product documentation. (For details about the commands for querying port information, see the

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Checking the Optical Module Type

Some non-certified optical modules are not designed in compliance with EMC standards and have low anti-interference capability. Additionally, they bring electromagnetic interference to nearby devices.

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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:

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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 and transmit optical power are normal.

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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 current receive power of the optical module, and the Current Tx



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Typical Troubleshooting Cases of Optical Module

Check whether the optical module is a Huawei-certified one. If not, replace it with a Huawei-certified optical module. If the optical module is installed on a GE port, run the display interface

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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

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Huawei Technical Support

Learn how to display optical module information on Huawei devices using specific commands and understand the diagnostic details of optical modules.

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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

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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

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HOW TO CHECK PORT POWER & SFP INFO AND MAC'S & VLAN'S in HUAWEI SWITCH

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Troubleshooting S Series Switch Port and Interface Problems

If the receive power of an optical module is too low or too high, use an optical power meter to test the optical power attenuation of each part of the link and repair abnormal parts.

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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 wavelength,

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Port: Optical Ports on the AC Cannot Go Up

Check the model and working mode (single-mode or multimode) of the optical modules on the connected devices. Use the patch cords accordingly. If the optical port still fails to go Up, replace the

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Displaying Optical Module Information

To determine whether optical modules delivered for Huawei switches before January 1, 2016 are certified ones, contact Huawei technical support. If your optical modules are delivered after January

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How Do I View the Transmit and Receive Power of an Optical Module?

You can also run the `display transceiver diagnosis` command to check optical parameters of the optical interface. `display transceiver diagnosis interface GigabitEthernet 0/0/8`
Port

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Ethernet Interface Configuration Commands

The `port-group group-member` command creates a temporary port group and adds specified Ethernet interfaces to the temporary port group. Commands configured for a temporary port group will be

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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 optical module and contact Huawei technical support personnel to confirm

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

CloudEngine 16800, 9800, 8800, and 6800 Series Switches Troubleshooting Guide (V300) How Do I Check the Transmit and Receive Optical Power of an Optical Module? Run the display interface

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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. Check whether the fiber

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Optical Interface Interconnection Is Abnormal on CE Switches

CloudEngine 16800, 12800, 9800, 8800, 7800, 6800, and 5800 Series Switches Troubleshooting Guide (V100 and V200) Optical Interface Interconnection Is Abnormal on CE

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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 Huawei switch. SFP power levels (optical transmit and receive power) are

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Huawei enterprise switches



Huawei switches using non-certified optical module may not be able to read the information, can not guarantee the accuracy of the information read, recommend the use of Huawei certified optical

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How To Read Optical Module Information On Huawei Switches

The following uses the Modulatek SFP-10G-LR module connected to a Huawei S6700 switch as an example to introduce how to read information of the connected optical module on a Huawei switch.

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Checking the Optical Module Type

When certifying an optical module, Huawei switches comprehensively verify optical module functions to ensure the optical module quality. The functions include the installation and removal, transmit and

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

The Issue We want to troubleshoot transceiver on Huawei router, Huawei switch, Huawei systems. The Answer 1 Show details, warning etc. from transceivers Check "Alarm information"

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Teach you to read the DDM information of the optical

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

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