

Checking Optical Attenuation on Huawei CE Switches



Overview

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, transmission distance, fiber types supported, receive optical power, and transmit optical . 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, transmission distance, fiber types supported, receive optical power, and transmit optical . When the optical module on an interface is faulty, you can run the display commands to view information about the optical module. Related Information Video Identify a Huawei-Certified Optical Module Run the display transceiver [interface interface-type interface-number | slot slot-id] [verbose]. Optical modules are widely used in switches, network interface cards (NICs), routers, and other communication devices. During use, reading optical module information helps understand its real-time operating status, enabling faster troubleshooting of link abnormalities. The specific viewing information is as follows:. Today, ETU-LINK will introduce how to query the information of optical module on Huawei switch. The optical module model does not match. 10GE1/0/1 transceiver information: Common information: Transceiver Type :1000BASE_SX //Module type Connector Type :LC //Optical fiber connector type Wavelength (nm) :850.

Article Content

How Do I Query the Optical Power of an Interface?

CloudEngine 16800, 12800, 9800, 8800, 7800, 6800, and 5800 Series Switches Troubleshooting Guide (V100 and V200) How Do I Query the Optical Power of an Interface? You can

Troubleshooting for Optical Modules on Huawei Switch

Check whether the optical module is Huawei-certified. If it is not certified by Huawei, replace it with a Huawei certified one. Remove and reinstall the optical module. If ...

Checking Whether the Optical Fiber and Optical Module

The optical modules used on CE series switches support a transmission distance of up to 100 km. Center wavelengths of optical modules include: 850 nm: multimode

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. <HUAWEI>display transceiver diagnosis interface GigabitEthernet 0/0/8

How to View Optical Module Parameters

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, transmission distance, fiber

How Huawei CE & S Series Switches Handle Non-Certified Optical

BackgroundIn past projects and testing experience, it was commonly believed that Huawei CE series switches would not generate alarms when using third-party optical modules, while only S series

Optical Module Solutions for Huawei S5700/S5720 Series Switches

When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered

Disabling the Alarm Function for Optical Modules That Are Not

Context If optical modules that are not certified for Huawei data center switches are used on devices, the devices will generate a large number of alarms to prompt users to replace these

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

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

Optical Module Troubleshooting

Check whether an optical module that is certified for Huawei data center switches is installed on the optical interface. The CE series switches must use optical modules that are certified for Huawei data

How to view the optical module DDM information on

View the optical module information on Huawei switches and H3C switches through the command

Huawei Technical Support

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

Understanding Optical Modules: Types and

Confirm whether the optical module on the Down port is certified by Huawei Data Center switches. CE series switches must use Huawei Data Center switch

Common Faults of CE Switches and How to Locate Faults

Hardware faults on CE switches include power supply faults, fan faults, card power-on failures, unexpected card restarts, abnormal optical module status, and abnormal interface status. The

Checking Optical Module Information of the Interface

Diagnostic information: //Diagnostic information of the optical module. If this field displays -, the information cannot be obtained or is inaccurate.

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

How To Read Optical Module Information On Huawei Switches

The following uses the Moduletek 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.

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:

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.

Optical Interface Interconnection Is Abnormal on CE Switches

To prevent high receive optical power of an optical module from affecting the optical module, a short-distance optical module and a multi-mode optical fiber are typically used for a loopback test (long

How Huawei CE & S Series Switches Handle Non-Certified Optical

Huawei CE and S series switches both incorporate an optical module authentication mechanism. On S series switches, authentication is strict and alarm notifications ...

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. display

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

How To Turn Off Alarms For Third-Party Modules On Huawei Switches

Huawei switches perform authentication on inserted optical modules. By default, numerous alarm messages will be generated when a non-original Huawei module is used. Huawei

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

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"

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

How To Read Optical Module Information On Huawei Switches

Optical modules are widely used in switches, network interface cards (NICs), routers, and other communication devices. During use, reading optical module information helps understand its real

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