

# Checking Port Optical Attenuation on Huawei Switches



## Overview

If the optical module is installed on a GE port, run the display interface GigabitEthernet x/x/x command to check information about the port, including the rate and wavelength. 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: How Do I Check the Interface or Port Status?

How Do I Locate and Rectify an Interface Physically Down Fault Caused by Improper Operations?

How Do I Locate and Rectify an Interface Physically Down Fault Caused by Hardware Faults?

How Do I Locate and Rectify an Interface Physically Down Fault Caused. Digital Diagnostic Monitoring :YES Vendor Name :SumitomoElectric Vendor Part Number :HFBR- 5710 L Ordering Name : Manu. Serial Number : 88 K056C10353 Manufacturing Date : 2008 - 08 - 08 Vendor Name :SumitomoElectric Temperature(°C) : 26. 00 Temp High Threshold(°C) : 85. 00 Temp Low Threshold(°C) :- . Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows: Transceiver Type :1000\_BASE\_SX\_SFP Connector Type :LC Wavelength(nm) :850 Transfer Distance(m) :300(50um),150(62.

## Article Content

### 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.

### 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 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

### 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

### Troubleshooting S Series Switch Port and Interface Problems

Troubleshooting S Series Switch Port and Interface Problems This document describes how to check the switch interface or port status and how to locate an interface physically down fault and restore the

### Displaying Optical Module Information

To determine whether optical modules delivered for Huawei switches before July 1, 2013 are certified ones, contact Huawei technical support. If your optical modules are delivered after July 1, 2013, use

### 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 Do I Check the Interface or Port Status?

Huawei S Series Campus Switches Troubleshooting Guide (V100 and V200) How Do I Check the Interface or Port Status? Checking Service Interface Indicators to Determine the Interface Status

### 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

### Checking the Optical Module Type

The working temperature range of the optical module does not meet requirements, reducing the optical power at a high temperature. Subsequently, services are interrupted.

### 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,

### Checking Optical Module Information of the Interface

Run the display interface interface-type interface-number transceiver [ verbose ] command to check optical module information. <HUAWEI> display interface 10ge 1/0/1 transceiver verbose

### 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

### 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"

### 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 ...

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

### 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

### Interface Management FAQ

After the switch has the V100R006SPH005 patch installed and a GE optical module connects to a 10GE optical port on the S6700, you can run the `negotiation auto` command to switch the port status to

### Checking that the Optical Power Is Within the Normal Range

In the preceding command output, the information in bold shows the optical power of the optical module. If the value of Rx Optical Power is less than the receiving sensitivity, adjust the link or replace the

### 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

### 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 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.

### How To Check If Interconnected Optical Ports Cannot

If the problem is not caused by the optical modules, fibers, or intermediate device, connect the switch to another interface or replace the switch to check whether the

## Contact Us

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