

## Checking the optical module power of Huawei switches



### Overview

Execute the command, display transceiver [ interface interface-type interface-number | slot-id ] [ verbose ] to check the optical module information on the device interface. During use, reading optical module information helps understand its real-time operating status, enabling faster troubleshooting of link abnormalities. The following uses the. 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. Sample Output: (Can see link down and not receiving any power from the neighboring device) Or can do filtering:. Today, ETU-LINK will introduce how to query the information of optical module on Huawei switch. If not, replace it with a Huawei-certified optical module.



## Article Content

### Displaying Optical Module Information

Although these optical modules have the same wavelength, optical power alarms occur because different vendors design different optical power indicators for these optical modules.

### 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

### 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 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

### 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 to

### Typical Troubleshooting Cases of Optical Module

Use an optical power meter to measure the transmit power of the optical module. If the transmit power of the optical module is not in the normal range, replace the optical module.

### How Do I Query the Optical Power of an Interface?

When the receive or transmit power of an optical module exceeds the upper threshold or falls below the lower threshold, the optical module may fail to work properly.

### Optical Module Working Principle | SFP Transceiver Technical Guide ...

Understanding the working principle of optical modules—especially SFP transceivers—is critical for network engineers, data center operators, and telecom professionals tasked with building

Learn how to choose the right SFP module for your network. Avoid ...

Learn how to choose the right SFP module for your network and avoid common compatibility mistakes. This practical guide explains SR vs LR, singlemode vs multimode,

### 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

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

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

### Typical Troubleshooting Cases of Optical Module

Procedure Check whether the optical modules are Huawei-certified ones. If not, contact the supplier of the optical modules. If possible, remove and reinstall the optical modules to check whether the fault

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 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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