

Huawei switch displays optical attenuation

Article Overview

You can view optical attenuation on Huawei switches by using the display transceiver commands to check TX/RX power and diagnostic information for each optical module.

Viewing Optical Module Information

To check optical attenuation, you need to monitor the transmit (TX) and receive (RX) optical power of the module. Huawei switches provide commands to display this information:

- Basic command: display transceiver interface This shows the optical module type, link status, and basic TX/RX power readings .
- Detailed diagnostic command: display transceiver interface verbose This command provides digital diagnostic monitoring (DMM) data, including TX power, RX power, voltage, current, and temperature, which can be used to calculate optical attenuation .
- Example for a GigabitEthernet port: display transceiver interface GigabitEthernet0/0/1 verbose Output includes:
 - TX Power: Power transmitted by the module
 - RX Power: Power received from the remote device
 - Attenuation: Can be inferred as the difference between TX and RX power along the fiber link .

Interpreting Optical Attenuation...

Article Content

Oct 09, 2025

Analyzing the Optical Power

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

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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

Sep 08, 2025

What Is an Optical Module and Its FAQs (V200)

What Is an Optical Module and Its FAQs (V200) Describes what an optical module is and FAQs, including the fundamentals,

Dec 17, 2025

Huawei MiniFTTO Optical Power Calculator

Why do I need to calculate the optical power? A PON network uses an optical fiber for upstream and downstream bidirectional

Feb 02, 2026

How To View Optical Transceiver Information On Huawei Switches

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

Apr 29, 2026

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.

Dec 08, 2025

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered

Oct 01, 2025

Huawei S Series Campus Switches Troubleshooting Guide (V100 and

How Do I View the Transmit and Receive Power of an Optical Module? Run the display transceiver verbose command. In the

Feb 10, 2026

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

Oct 06, 2025

Checking the Working Modes

Procedure Run the display transceiver interface interface-type interface-number verbose command to view the optical

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Displaying Optical Module Information

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

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Configuring Attributes for an Optical Interface

A 40GE interface cannot be split if it has been added to a stack interface. 10GE interfaces split from 40GE optical

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Displaying Optical Module Information

The system may fail to obtain information about non-Huawei-certified switch optical modules or obtain incorrect information. You are

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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

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how to display power of optical module

Let's take Huawei's S3328TP-SI switch as an example. This switch has 2 combo ports, which can be changed either

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

Execute the command, display transceiver diagnosis interface [interface-type interface-number], display optical

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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

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Checking the Optical Module Type

For the Huawei-certified optical modules, Huawei has added Huawei logo and identifier and changed the vendor information in the

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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

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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

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Optical Module Troubleshooting

If there is a Huawei logo on the label, the optical module has been certified for Huawei data center switches. If not,

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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

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Displaying Optical Module Information

Run the display transceiver diagnosis interface [interface-type interface-number] command to view diagnostic information about a

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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

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Huawei Switch Optical Attenuation Information

Optical modules are widely used in switches, network interface cards (NICs), routers, and other communication devices. Identify a

May 03, 2026

display interface transceiver

The display interface transceiver command displays information about the optical module on the interface of the device.

May 27, 2026

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

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Introduction of Optical Modules on Huawei Switches

If an optical module is installed in a running switch, you can run the display transceiver command to view parameters of the optical

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Displaying Optical Module Information

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

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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

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Checking the optical attenuation of Huawei switches

Here is an example on how to query or display optical power of an interface in a Huawei Router. This is tested using NetEngine40E

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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

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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

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Displaying Optical Module Information

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

Contact Us

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