



Checking the optical module on a Huawei router





Overview

If you know the model or type of an optical module, you can view the section "Pluggable Modules for Interfaces" in the Hardware Description to look up parameters of the optical module, including the center wavelength, transmission distance, fiber types supported, receive optical. When the optical module on an interface is faulty, you can run the display commands to view information about the optical module.



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Troubleshooting Guidelines for Optical Modules

If the transmit optical power is abnormal, replace the optical module. Remove and reinstall the optical module. If the fault persists, replace the optical module with a normal one of the same type to check

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Checking Whether Optical Module Types Match

For example, the transmission distance supported by OM1 optical fibers in the preceding command output is 150 m. If the actual transmission distance exceeds 150 m, use an optical fiber with a longer

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How To Read Optical Module Information On Huawei Switches

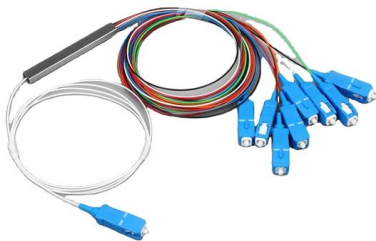
Optical modules are widely used in switches, network interface cards (NICs), routers, and other communication devices. During use, reading optical module information helps understand its real



Checking the Optical Module Type

The selected optical modules must be supported by the optical interfaces. Check whether the optical module used on the switch is certified by Huawei switches. For the Huawei-certified optical modules,

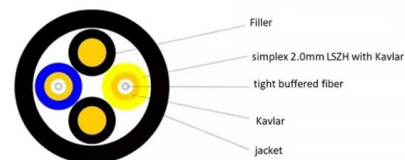
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Checking 100GE Transmit (TX) and Receive (RX) Optical Power on

For checking transmission links on Huawei Routers, it is good to know how to find out the optical power of 100GE modules or interfaces for troubleshooting and making sure the desired or

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Huawei Technical Support

Discover how to view the serial number of an optical module with step-by-step guidance from Huawei Technical Support.

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Checking the Optical Fiber or Link

Procedure Check whether the transmit and receive optical fibers are correctly connected. If no, re-connect them. Insert the optical fibers tightly to prevent poor contact. Check whether the optical fiber

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How To Check Optical Information On Huawei WIFI

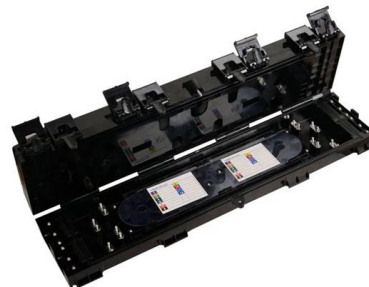
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How to View Optical Module Parameters

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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Displaying Optical Module Information

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

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Optical Module: Typical Optical Module



Troubleshooting Procedure

Use an optical power meter to test the receive power of the port and check whether the optical fiber is disconnected. Use one optical fiber to form a loop on the port to check whether the port goes Up. If

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How to View Optical Module Parameters

If an optical module is installed in a running router, you can run the display transceiver command to view parameters of the optical module, including the center wavelength, transmission distance, fiber types

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

This page provides a guide on checking the transmit and receive optical power of an optical module for Huawei devices.

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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 specified optical module. This command displays the digital diagnostic

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How to Identify Huawei-Certified Optical Modules

Huawei routers must use Huawei-certified optical modules. Non-Huawei-certified optical modules cannot ensure transmission reliability and may affect service stability. Huawei is not

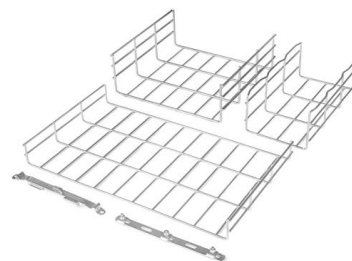
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Huawei Optical Switch View Optical Module Commands

Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows:

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How to View Optical Module Parameters

Using a Command If an optical module is installed in a running router, you can run the display transceiver command to view parameters of the optical module, including the center wavelength,

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Checking Whether the Rx and Tx Optical Power of the Interfaces at

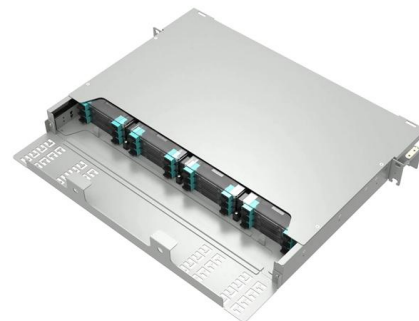
If only the number of B3 bit errors increases, check whether the link directly connecting the remote router and SDH transmission device is working stably. If the link is a pure WDM link, check the

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Optical Module: The Device Cannot Display Any Optical Module

Call Huawei global service hotline or contact software maintenance engineers to verify the software version. If allowed, reboot the device or power off and restart the device. Services on

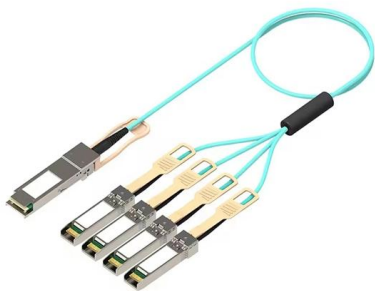
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Displaying Optical Module Information

Displaying Optical Module Information You can use the display commands to view information about the optical module on an interface, including conventional information, manufacturing information, and

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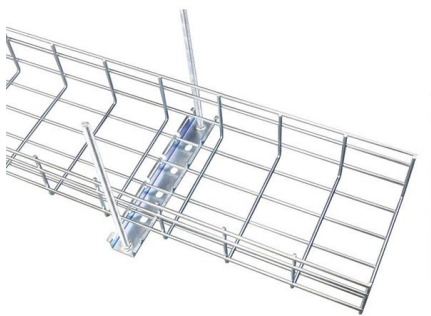




Troubleshooting Optical Module Issues

Although a non-Huawei-certified optical module can be identified and used, its reliability and stability cannot be guaranteed. Check whether the transmit optical power and receive optical

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Typical Troubleshooting Cases of Optical Module

Form a loop on the port using an optical fiber, and check whether the port can go Up (if optical modules with a long transmission distance are used, use optical attenuators.) Check the configuration, such

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How to View Optical Module Parameters

If an optical module is installed in a running router, you can run the display transceiver command to view parameters of the optical module, including the center wavelength, transmission

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Checking 400GE Transmit (TX) and Receive (RX) Optical Power in

For checking transmission links on Huawei routers, it is important to know how to check the optical power of 400GE modules or interfaces for troubleshooting and to ensure the desired or optimal range

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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.

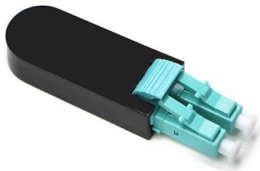
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Learn how to choose the right SFP module for your network. Avoid

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,

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