

Huijue checks the port optical module





Overview

Log in to the switch through Telnet or console port to check the switch model. 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. During use, reading optical module information helps understand its real-time operating status, enabling faster troubleshooting of link abnormalities. Solution: To solve this problem, you can follow these steps: Check if the fiber and optical modules are compatible.

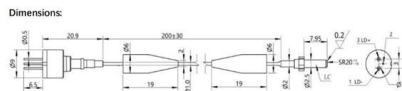


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how to display power of optical module

Verbose option displays detailed information about the optical module, including the basic information, manufacturing information, alarm information and diagnosis information.



istack fault on S6700 due to optical module mismatch

- 1) check if the module is certified by Huawei
- 2) Attach same optical module (same transceiver) for port grouped by 4.

Displaying Optical Module Information

The optical module design does not comply with the EMC, its anti-electromagnetic interference capability is low, and the optical module brings electromagnetic interference to surrounding devices.



OLT's Upper-Layer Network Is Faulty

Procedure Check whether the optical module installed on the uplink port of the OLT is functional. Check whether the uplink port is functional. An OLT equipped with a



How Can I Determine Whether an Optical Module Is Officially

You can check whether an optical module is officially delivered by Huawei using one of the following methods: Use the barcode scanning software to scan the two-dimensional code on the

Optical Module Failure Diagnosis and Prevention:

A comprehensive guide on Optical Module Failure diagnosis and prevention to maintain network stability through effective troubleshooting,



View the Optical Module Status on a Switch through the Command

Once the transceiver and fiber optic cable are plugged in properly in the switch optical module, you should be able to view the current information for the optical connection, which helps



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



Optical Module Troubleshooting

Optical Modules on the Local and Remote Devices Cannot Communicate Fault Description A switch is connected to a remote device through optical interfaces and optical fibers. The two optical ports are

Checking the Interface Status and Configuration Parameters

If a message is displayed, indicating that the optical module is not in position, remove and then properly insert the optical module. If the auto-negotiation mode is used but the interface cannot go Up, set the



Troubleshooting Optical Module Issues

Run the display esn interface command to check whether the optical module is a Huawei-certified one. If the Certified field is displayed YES, the optical module is a certified one.



port is disconnected due to optical module faulty

Use the idle optical module on the storage device to exchange with PO and check whether the fault is rectified. If the fault persists, it indicates that the optical module is not faulty. If

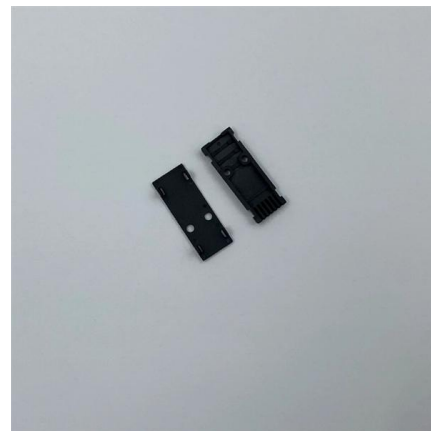


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As you can see in the above output, port mode is COMBO AUTO, SFP module has been inserted and current work mode is automatically chosen as FIBER. To display optical power of SFP

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



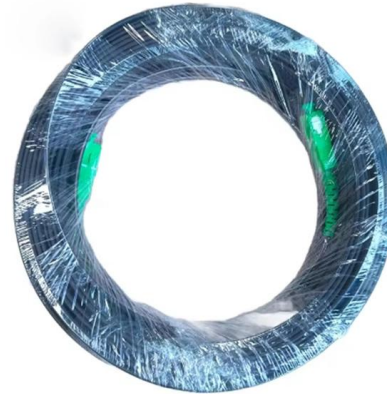
How to check and solve the optical module failure?

Step 3: check whether the optical module itself fails or the adjacent equipment or the intermediate link fails. The port, optical module, etc. can be



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 View Port Status And Optical Module Information On Cisco

1. Check Optical Module and Port Status Execute the following command to view detailed interface and optical module status: show interface The

FAQs About Optical Modules

For details about the optical modules supported by optical ports on switches, see "Appearance and Structure" of a specific switch model in the Hardware Description. The following figure shows the



How To Check If Interconnected Optical Ports Cannot

1. Checking the Optical Module Type Log in to the switch through Telnet or console port to check the switch model. Run the display device command to check the



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.

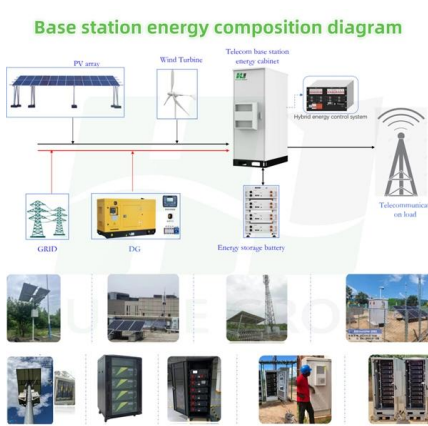
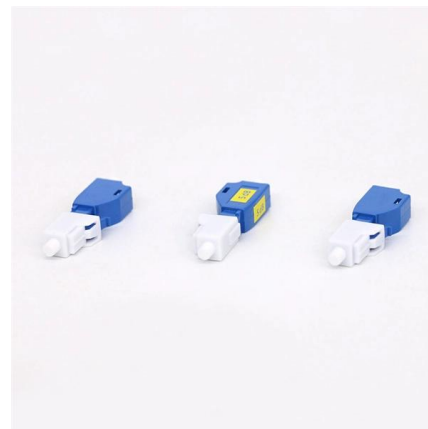


Optical Interface Interconnection Is Abnormal on CE Switches

View the Transceiver Type field to check whether the local optical module type matches the remote optical module type. For example, if a GE optical module is installed on the remote

Checking the Optical Module Type

Check whether the optical module used on the switch is certified by Huawei switches. For the Huawei-certified optical modules, Huawei has added Huawei logo and identifier and changed the vendor



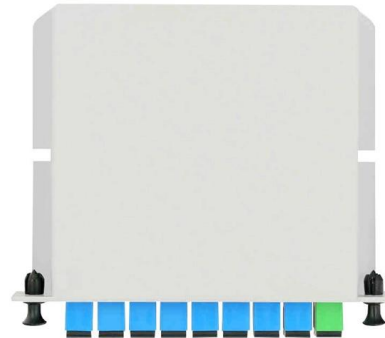
Troubleshooting Guidelines for Optical Modules

Procedure Check optical bores of the optical module. If they are contaminated, use a cotton swab to clean the optical bores. In addition, use a dust cap to cover the optical bores of an idle optical



Optical module alarm

Check the diagnostic information, which shows that the received optical power is low, with a threshold of -3 to -23.01, currently at -22.84. Once it exceeds the threshold, an alarm will be

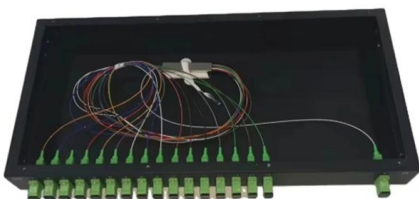


Checking the Optical Module Type

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,

Optical module common faults and solutions

Check the current measured value of the digital diagnostic parameters of the optical module inserted in the optical port through the command "show transceiver interfaces detail". If the



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



Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.



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