

# Huawei Viewing Optical Module Alarms



## Overview

To check alarm information, diagnostic information, and manufacturing information about an optical module, run the display transceiver command. Enable/Disable the optical. You can configure the alarm thresholds for the power, temperature, current, and voltage of optical modules, and the interval at which the inter-integrated circuit (I2C) collects optical module alarm information to shield unnecessary alarms. 5um) Digital Diagnostic Monitoring :YES Vendor Name. Huawei switches will authenticate the access optical module, and when the access module is verified to be non-Huawei original, a large number of alarm messages will pop up in the default state; at the same time, Huawei also provides commands to turn off the alarms of non-Huawei data center. Huawei switches perform authentication on inserted optical modules. Verification events including pluggable authentication, verification transceiver optical power, the signal transmission quality.



## Article Content

### 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

### How To Turn Off Alarms For Third-Party Modules On Huawei Switches

Let's take Huawei CE6860 switch as an example to learn how to block non-Huawei alarms when Huawei switches use third-party module modules:

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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

Huawei enterprise switches

See the interface module via the optical display command information, including general information of the optical module, manufacturing information, and alarm information. Steps Run the display

### ALM-3276800044 An Optical Module Installed on the Device Is ...

If this optical module was delivered from Huawei earlier, run the transceiver phony-alarm-disable command to disable the alarm function for non-Huawei customized optical modules.

### Laser Module Mismatch

The possible cause of the LASER\_MODULE\_MISMATCH alarm is as follows: 1.The optical port type supported by the physical board does not match the type of the opticalmodule

### Configuring the Alarm Function for Optical Modules

To check alarm information, diagnostic information, and manufacturing information about an optical module, run the display transceiver command. Conventional, manufacturing, and alarm information

### Configuring the Alarm Function for Optical Modules

You can configure the alarm thresholds for the power of optical modules to shield unnecessary alarms. To check alarm information, diagnostic information, and manufacturing information about an optical

### Displaying Optical Module Information

If the connected optical modules have the same wavelength and provide short-distance transmission but alarms indicating low or high optical power occur, the two optical modules may be from different

### 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

### Huawei Technical Support

Learn how to display optical module information on Huawei devices using specific commands and understand the diagnostic details of optical modules.

### Optical Module: Typical Optical Module Troubleshooting Procedure

If it is not a Huawei-certified optical module, replace it with a Huawei-certified optical module. If the optical module is installed on a GE port, run the `display interfaceGigabitEthernet x/x/x` command to

### Why Are Alarms About Optical Modules That Are Not Certified for Huawei ...

Therefore, alarms about optical modules that are not certified for Huawei Ethernet switches are generated. You can run the `transceiver non-certified-alarm disable` command to disable the alarm

### Configuring the Alarm Function for Optical Modules

You can configure the alarm thresholds for the power, temperature, current, and voltage of optical modules, and the interval at which the inter-integrated circuit (I2C) collects optical module alarm

### How Huawei CE & S Series Switches Handle Non-Certified Optical Modules

S series switch module alarm prompts: CE series switch module alarm prompts:  
Technical Analysis Huawei CE and S series switches both incorporate an optical module authentication mechanism. On

### Displaying Optical Module Information

What Is the Impact of Using Non-Huawei-Certified Optical Modules? Huawei-certified optical modules have been tested to the highest standards to ensure their quality. Tests include the installation and

### Displaying Optical Module Information

Optical module temperature monitoring is not standardized, causing alarms to be incorrectly generated. The temperature monitoring systems of some non-Huawei-certified optical modules do not comply

#### How to View Optical Module Parameters

Viewing the Hardware Description 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

#### Disabling the Alarm Function for Optical Modules That Are Not

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 optical modules with ones

#### Huawei Optical Switch View Optical Module Commands

View the general, manufacturing, alarm, and diagnostic information of the specified port optical module. Table 1 Description of the output information of

#### Viewing Data Cluster Module Alarms

Procedure Log in to DeviceManager. Choose Monitor > Alarms and Events > Data Cluster Module Alarms. View information about the alarms. Prerequisites Procedure Translation Favorite Download

#### Troubleshooting Optical Module Issues

Troubleshooting Optical Module Issues Symptom An optical port cannot go Up. The optical module cannot be properly identified and optical module information cannot be obtained. After

#### Disabling the Optical Module Alarm Function

The device has two types of optical module power alarms: warning and alarm. A warning is reported when the difference between the actual power and vendor-defined threshold is not great. It can also

#### How Huawei CE & S Series Switches Handle Non-Certified Optical

Huawei CE and S series switches both incorporate an optical module authentication mechanism. On S series switches, authentication is strict and alarm notifications are ...

#### Setting Optical Power Alarm Thresholds

If non-Huawei-certified optical modules are used, incorrect optical module information may be obtained during the query of optical power information. The XGE interfaces connected to the ET1D2IPS0S00,

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