

Huawei optical module transceiver anomaly alarm



Overview

Run the display transceiver verbose command to check the power of the optical module. Check whether the interface status and data forwarding are normal. If non-Huawei-certified optical modules are used on a device produced after July 1, 2013 (January 1, 2016 for QSFP+ 40GE optical modules, CFP 40GE optical modules and CFP 100GE optical modules), the device generates alarms that prompt you to replace these optical modules with Huawei-certified. Huawei switches perform authentication on inserted optical modules. By default, numerous alarm messages will be generated when a non-original Huawei module is used. 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. To check alarm information, diagnostic information, and. We want to troubleshoot transceiver on Huawei router, Huawei switch, Huawei systems.

Article Content

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

Common problems and solutions in the installation and

Q3: How Does the switch turn off the alarm on the non-huawei Custom Optical transceiver? A: you can use the command transceiver phony

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

BackgroundIn past projects and testing experience, it was commonly believed that Huawei CE series switches would not generate alarms when using third-party optical modules, while only S series

Configuring the Alarm Function for Non-Huawei-Certified Optical Modules ...

In addition, older optical modules may not record vendor information, resulting in the same alarms being generated. To continue using these optical modules without generating the associated alarms, you

Disabling the Alarm Function for Optical Modules That Are Not

Context 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

Configuring the Alarm Function for Non-Huawei-Certified Optical

By default, the alarm function for non-Huawei-certified optical modules is enabled. To enable the alarm function for non-Huawei-certified optical modules, run the undo transceiver phony-alarm-disable

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

ALM-3276800000 Indicates that SFP is not certified 136192_Huawei ...

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.

Setting Optical Power Alarm Thresholds

You are advised to use Huawei-certified optical modules. If non-Huawei-certified optical modules are used, incorrect optical module information may be obtained during the query of optical power

How to Troubleshoot transceiver issue in Huawei switch/router/devices

Check "Alarm information" section for warnings, LOS Alarm means no inbound signal, execute display this to check shutdown mode, execute undo shutdown if necessary.

Disabling the Optical Module Alarm Function

Context The system automatically obtains the vendor-defined power threshold of an optical module and compares it with the actual power. If the actual power exceeds the vendor-defined threshold, an

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

ALM-3276800022 Indicates that optical module power abnormal

Procedure Run the display transceiver verbose command to check the power of the optical module. Check whether the interface status and data forwarding are normal. If so, run the

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

Optical Modules Fail to Communicate

Otherwise, traffic forwarding on the optical interfaces may be abnormal or the optical modules may be damaged. If neither transmit nor receive power alarms are displayed on the two

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

By default, numerous alarm messages will be generated when a non-original Huawei module is used. Huawei provides dedicated commands to disable alarms triggered by uncertified

Why Are Alarms About Optical Modules That Are Not Certified for

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

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.

ALM-135471444 hwOpticalUnauthorized_Common Alarms_V600

If the optical module is delivered by Huawei in the early stage, the system is not affected. If not, the optical module may be abnormal, causing service interruption.

Optical Module Troubleshooting

Run the `display interface transceiver` command on the switch to check whether any alarm information has been generated for the optical module. `<HUAWEI> display interface 10ge 1/0/1 transceiver`

ALM-135471444 hwOpticalUnauthorized_Common Alarms_V600 Device Alarms ...

If the optical modules are early delivered from Huawei, run the `transceiver non-certified-alarm disable` command to disable the alarm function for non-Huawei-certified optical modules.

Common Non-Certification Alarm Messages For Switches

ModuleTek Laboratory lists some of the mainstream switch brands that have customized compatibility requirements, and shows you their measures for handling third-party modules.

Setting Optical Power Alarm Thresholds

Run `transceiver diagnosis threshold rx-power { default | low-alarm low-alarm high-alarm high-alarm }` Upper and lower alarm thresholds are set for the receive power of the optical module on the interface.

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