

## Huawei optical module threshold values



### Overview

03 // current values of the optical power transmission module TX Power High Threshold (dBm): - 2. These thresholds are determined through extensive testing and verification. However, this is not recommended. If an optical. Run the display transceiver slot slot-id verbose command in the system view to check whether the receive power Rx Power of the local interface is within the acceptable range. If so, collect alarms, logs, and configurations, and contact technical support personnel. 00% Input bandwidth utilization: 0% Output bandwidth utilization: 0% 2. Optical Module Identification & DDM Detection Data Check Run the following command to view detailed optical module information on the device interface: display transceiver interface. The default optical power alarm thresholds of an optical module are fixed and cannot be changed.

### Article Content

ALM-3276800007 Indicates that Optical module Rx power is too low

Check whether the receive power of the optical module is within a usable range. If so, run the transceiver diagnosis threshold rx-power command to change the receive power lower threshold

How To Read Optical Module Information On Huawei Switches

DDM diagnostic data: including real-time operating parameters and threshold ranges. The module's working status can be verified by checking receive power, transmit power,

### Setting Optical Power Alarm Thresholds

Upper and lower alarm thresholds are set for the transmit and receive power of the optical module on the interface. When the transmit or receive power of an optical module exceeds the upper alarm

### Huawei enterprise switches

Huawei switches using non-certified optical module may not be able to read the information, can not guarantee the accuracy of the information read, recommend the use of Huawei certified optical

### Enabling the Optical Module Alarm Threshold Standardization Function

You can enable the alarm standardization function for an optical module to prevent the optical module from reporting alarms when its optical power exceeds the threshold. The system automatically

ALM-3276800022 Indicates that optical module power abnormal

If so, run the transceiver diagnosis threshold rx-power command to change the receive power alarm threshold of the optical module or run the transceiver diagnosis threshold tx-power

### Checking the Receive and Transmit Optical Power

If the distance is within the transmission distance of the remote optical module, check whether the optical module and optical fiber on the interface are damaged.

### 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

### Checking the Receive and Transmit Optical Power

If they are damaged, replace them. If the receive optical power is high (Current RX Power has a larger value than Default RX Power High Threshold), the transmit signal strength on the remote optical

### 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

## Checking Whether the Optical Module Works Properly

Procedure Run the display transceiver interface interface-type interface-number verbose command to view optical module information. Check whether the local and remote optical modules work properly.

## 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, appearance and structure, key performance counters, common types,

## 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

## Setting Optical Power Alarm Thresholds

These thresholds are determined through extensive testing and verification. You can configure alarm thresholds but they must be within the default range. However, this is not recommended. If an optical

## FAQ-How Do I View the Transmit and Receive Optical Power of an Optical ...

Find technical support and knowledge resources for Huawei products, including detailed descriptions of hardware, modules, and more.

## Displaying Optical Module Information

If an optical module on an interface is faulty, you can run the display commands to view information about the optical module. Related Information Video Identify a Huawei-Certified Optical Module

## 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, send the model of the optical module to technical support personnel.

## Configuring Alarm Thresholds for Optical Power

Alarm thresholds can be configured for optical power only after an optical module is inserted into an interface. If no optical module is inserted into the interface, you can perform this step

## Contact Us

Continue your research online:

Website: <https://danialonso.es>

Technical inquiry: <https://danialonso.es/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

