

Huawei switches have too much optical loss



Overview

If possible, remove and reinstall the optical modules to check whether the fault is rectified. If not, run the display version command to check the software. When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered during switch usage. During use, reading optical module information helps understand its real-time operating status, enabling faster troubleshooting of link abnormalities. The following uses the. Check "Alarm information" section for warnings, LOS Alarm means no inbound signal, execute display this to check shutdown mode, execute undo shutdown if necessary. 2 Show transceiver power Receiving power too low (If Current RX Power < Default RX Power Low Threshold): May cause port down or packet. However, the display interface command output shows that packet loss occurs on the corresponding interface due to CRC errors. It didn't work and I don't know what to do. The signal is between the range and the link work by a little time (2 or 3 hour), but after that the link stop work.



Article Content

Hot

Huawei LX Compatible SFP Modules: Strategic Inventory Guide

The Huawei LX standard is built upon the IEEE 802.3z (1000BASE-LX) protocol, which defines the physical layer requirements for Gigabit Ethernet over fiber. These modules operate at a 1310nm

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Common problems and solutions in the installation and

Problem and solution of lumen lamp not shining after installing light module Q1: The Optical transceiver and two pairs of multi-mode fiber jumper are

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Setting Optical Power Alarm Thresholds

Setting Optical Power Alarm Thresholds Context You can set optical power alarm thresholds using commands. When the transmit or receive power of an optical module exceeds the alarm threshold,

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HUAWEI S Series Switch-Handle an Optical Interface''s

HUAWEI S Series Switch-Handle an Optical Interface''s Failure to Go Up video provides guidance on how to handle an optical interface''s failure to go

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Understanding Optical Loss in Fiber Networks

Insertion loss and return loss are not the same thing and, therefore, need to be measured separately. For example, an optical fiber can have a break in it, but still

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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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Optical Module Common Failure Of Optical Power

When the transmit optical power exceeds the nominal working range, it may cause the optical module to work abnormally, thus affecting the network data

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Optical Modules Fail to Communicate

CloudEngine 16800, 9800, 8800, and 6800 Series Switches Troubleshooting Guide (V300) Optical Modules Fail to Communicate Symptom Two optical interfaces are interconnected

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

Sending power too high (Current TX Power > Default TX Power High Threshold): Sending signal is too strong, may burn the receiving end, may indicate sending transceiver is broken.

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Checking the Working Modes

Procedure Run the display transceiver interface interface-type interface-number verbose command to view the optical module parameter settings. All the parameters of each optical module

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Case Study: Optical Modules on the Local and Remote Devices

Cause Analysis The optical module installed on the optical interface is not certified for Huawei data center switches. The optical module type does not match the optical fiber type. At least one of the

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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

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Risks of Using Non-Huawei-Certified Switch Optical Modules

Some non-Huawei-certified switch optical modules are not designed in compliance with EMC standards and have low anti-interference capability. Additionally, they bring electromagnetic

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The Transmit Optical Power of an Optical Module Is Normal, But

If so, this fault is typically caused by high insertion loss of the connector or the bending of the optical fiber. If the fault persists, replace the optical module to check whether the fault is caused by the

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Case Study: Transmit Power of an Optical Module Is Too Low

Symptom Use an optical power meter to test the optical module and compare it with the nominal transmit power of the optical module. It is found that the transmit power of the optical module

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Fiber loss

Optical fiber loss will limit the transmission distance of optical signals. In an optical fiber communication system, after the optical signal has been transmitted for a certain distance, due to the loss causing

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Troubleshooting for Optical Modules on Huawei Switch

Check whether the optical module is Huawei-certified. If it is not certified by Huawei, replace it with a Huawei certified one. Remove and reinstall the optical module. If ...

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The Transmit Optical Power of an Optical Module Is Too Low

If the transmit optical power remains low, replace the optical module or install it in another optical interface to check whether it is faulty. If the original optical module is faulty, replace it with a

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Introduction of Optical Modules on Huawei Switches

When Huawei switches are connected to other products such as routers, comply with the preceding optical module interoperation rules. The following describes the

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Alarm: "bias current too high" on device

Suggestions We have reached the following conclusions for this issue: 1- The optical module used on interface is not Huawei certified. 2- The transceiver may have physical failures, what

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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

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Optical Module Troubleshooting

Possible Causes The optical module installed on the optical interface is not certified for Huawei data center switches. The optical module type does not match the optical fiber type. Either or both of the

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Typical Troubleshooting Cases of Optical Module

Possible causes include: The connector attenuation of the optical fiber exceeds the attenuation threshold, or the optical fiber is bent seriously. Install another optical module on the port and check

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Troubleshooting Guidelines for Optical Modules

If the receive optical power is too low, check whether the optical fiber link is faulty. If so, this fault is typically caused by high insertion loss of the connector or the bending of the optical fiber.

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Optical Interface Interconnection Is Abnormal on CE Switches ...

CloudEngine 16800, 12800, 9800, 8800, 7800, 6800, and 5800 Series Switches Troubleshooting Guide (V100 and V200) Optical Interface Interconnection Is Abnormal on CE

Jun 19, 2026 Hot

link lose for optical transceiver

My team did a lot of test with the 60KM transceivers. It didn't work and I don't know what to do. The signal is between the range and the link work by a little time (2 or 3 hour), but after that

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Optical Interface Interconnection Is Abnormal on CE Switches

If the alarm message " Non-Huawei-Certified Transceiver " or " Non-Huawei-Ethernet-Switch-Certified Transceiver " is displayed, the optical module is a non-Huawei-certified optical module.

Mar 04, 2026

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