

Optical module authentication failed



Overview

What it means: The module carries an authentication or signature byte that the switch checks; when the check fails the switch refuses to enable the port. This is a deliberate vendor control to prevent third-party optics. What to do: Use vendor-approved optics where. This engineer is trouble shooting optical transceivers. When you found the following warning info in your logs such as Unsupported transceiver, Unknown, unqualified sfp+ module detected, authentication failed. There are generally three reasons for all the above errors: a. The current version of the. Based on typical issues encountered with optical modules in daily switch applications, this document summarizes basic troubleshooting steps for resolving common faults: 1. The optical module cannot be properly identified and optical module information cannot be obtained. Dealing. Customers in the use of optical modules will more or less encounter a variety of failure problems, such as optical module model selection is correct, the use of jumper is correct and some common problems, customers have the ability to judge and have a clear solution, but for some of the use of. When a switch refuses to accept an optical module the CLI or system log usually gives a short, blunt hint — an error message. Those messages tell you what the switch detected (authentication mismatch, bad EEPROM, unsupported part number, PHY disagreement) and point to a small set of concrete checks.

Article Content

Troubleshooting for Optical Modules on Huawei Switch

The type of optical modules used on the two ports is not restricted. For example, a port with an XFP optical module can communicate with a port with an SFP+

ALM-135462942 The optical module is invalid 136203

ALM-3276800180 AP optical module transfer power is too high notify

ALM-3276800181 AP optical module transfer power is too low notify ALM-3276800182
All functions of the fan module

ALM-135463001 hwOpticalInvalid_Common Alarms_V600 Device

Possible Causes Cause 2: Output Optical Power Too High. Cause 3: Output Optical Power Too Low. Cause 4: Input Optical Power Too High. Cause 5: Input Optical Power Too Low. Cause 7: The IIC of

Pulling out the optical module and shutdown interface causes the

Solve the problem of alarm indicator steady on by clear the alarm after it is confirmed that customer pull out the optical module and shutdown interface manually

S9300 switch used our company authentication optical module

Client used XFP XFP-STM64-LX-SM1310 optical module to connect manufacturer C switch on client S9300, the connection is up, but it cannot ping the direct connection interface, if

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

Troubleshooting Common SFP Module Issues

Learn how to troubleshoot common SFP module issues including physical faults, hardware damage, compatibility, and configuration errors. This guide provides

How to Trouble Shoot Optical Transceiver?

Generally, there are two situations, one is the quality of the cable, and the second is the quality of your optical module. Both of these situations can be resolved by

SFP Module Coding Recognition Failures and Solutions

Troubleshoot and solve SFP module recognition failures with stepwise diagnostics, firmware insights, and vendor-specific compatibility

Troubleshooting Optical Module Issues

Check whether the transmit optical power and receive optical power of the optical module are within the normal range. If the transmit optical power is beyond the normal range, replace the

Optical Module Application: Common Problems & Troubleshooting

Based on typical issues encountered with optical modules in daily switch applications, this document summarizes basic troubleshooting steps for resolving common faults:

Troubleshooting Tip: Optical Fiber module check | Community

Description This article describes how to troubleshoot malfunctioning or flapping optical modules. Scope Any FortiGates using optical fiber module. Solution In case of a flapping interface or

Checking the Optical Fiber or Link

Certain optical modules work with different types of optical fibers to achieve different transmission distances. In practice, you must select the optical fiber based on the required transmission distance.

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

How to stop messages for SFP not certified by Huawei

The transceiver phony-alarm-disable command disables the alarm function for non-Huawei-certified optical modules. <HUAWEI> system-view transceiver phony-alarm

Why the NE cannot receive optical power of 1G SFP

4- The alarm description indicates that This alarm is reported when the optical module is not authenticated by Huawei and by checking the board

optical module Troubleshooting and Common Problems

optical module troubleshooting guide covering common faults, compatibility issues, optical link failures, ESD risks, and practical solutions.

Daisy Thunder-link : Unauthenticated Transceivers on OSN9800U32-E

4- The alarm description indicates that This alarm is reported when the optical module is not authenticated by Huawei and by checking the board Manufacturer information, I found that the

Analyzing Abnormal Situations During Installation and Use of Optical

As core components of optical communication systems, the proper installation and use of optical modules directly impacts network stability. This article systematically identifies common

DS110DF111: the SFP optical port fails to be inserted

During the test, it was found that it was normal for the same optical port to be repeatedly inserted and removed with a 1G optical module, but it was

Huawei Technical Support

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

Addressing SFP Failures: Fix Your Malfunctioning SFP

Have you ever plugged an optic SFP transceiver but discovered that the connection didn't work? SFP failure may be caused by several aspects. Here

Main Causes and Solutions for Optical Transceiver Module Malfunction

Customers may encounter various failure problems when using optical transceiver modules, including link failure and packet loss. This article will focus on the causes and solutions of optical transceiver

Common Switch Error Messages When a Transceiver Is Rejected —

What it means: The module carries an authentication or signature byte that the switch checks; when the check fails the switch refuses to enable the port. This is a deliberate vendor control to prevent third

Optical Modules Fail to Communicate

Symptom Two optical interfaces are interconnected through optical fibers. An optical interface is down, leading to a failure in communication between the corresponding optical modules.

Optical module common faults and solutions

In this article, we will focus on teaching you how to troubleshoot and solve the common three categories of optical module failure. First, the transmission class of the optical module fault

OLT Fault

This page provides troubleshooting steps for resolving OLT faults that prevent GPON ONUs from going online.

Optical Module Failure Diagnosis and Prevention:

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

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