

## The switch s optical module disconnects intermittently



### 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. Based on typical issues encountered with optical modules in daily switch applications, this document summarizes basic troubleshooting steps for resolving common faults: 1. Check compatibility between the optical module and switch Most switch brands have specific compatibility requirements. The bottom switch (Core-1) has an etherchannel over ports Gi2/0/5, Gi1/0/6 that go up to the ACS-1 switch. Because the jitter rate of the signal optical power exceeds the threshold, the data and clock cannot be quickly traced and restored. If the status shows “DOWN (Transceiver Type Mismatch)” when checked, it is. 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. SFP modules sit at the core of modern fibre and copper networks—yet even the most reliable systems can run into trouble. You need a clear, step-by-step SFP.

## Article Content

port is disconnected due to optical module faulty

Use the idle optical module on the storage device to exchange with PO and check whether the fault is rectified. If the fault persists, it indicates that the optical module is not faulty. If

Troubleshooting | How to Handle Switch Interface Status DOWN ...

After inserting an optical module, the switch interface indicator does not light up, and the link cannot communicate normally. In device interconnection, this often indicates that the interface failed to start

Troubleshoot Switch Port and Interface Problems

For more details on the different types of cables/connectors, cable requirements, optical requirements (distance, type, patch cables, and so on.), how to connect the different cables, and

Troubleshooting Your Optical Transceiver: A

Optical transceivers play a crucial role in modern data communication networks, enabling the transmission and reception of optical signals across fiber

Optical Module Troubleshooting

Optical Modules on the Local and Remote Devices Cannot Communicate Fault Description A switch is connected to a remote device through optical interfaces and optical fibers. The two optical ports are

Optical Module Application: Common Problems & Troubleshooting

Most switch brands have specific compatibility requirements, especially when using third-party optical modules. First verify that the module is compatible with your switch. You can confirm

SFP Troubleshooting Guide for Common Network Issues

To resolve it: Try re-seating the module, rebooting the switch, or testing the module in a different device. If the issue persists, consider switching to a vendor

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 Huawei switch.

Bluetooth keeps disconnecting in Windows

If you are using a Windows 11 device, start by running the automated Bluetooth troubleshooter in the Get Help app. It will automatically run diagnostics and attempt to fix this Bluetooth problem.

Ethernet Keeps Disconnecting ? Here's How to Fix it

Ethernet Keeps Disconnecting - 11 Ways to Fix It Before moving on with the major fixes, we recommend restarting your computer first. Well, this fixes

Devices lose connectivity every few minutes for a few

We have a 3750g switch stack at the core, and a couple of remote closet switches that connect to the core. All endpoints and servers/printers are on

Common Switch Error Messages When a Transceiver Is Rejected —

Switch not accepting your optical module? This guide explains common error messages, their real meanings, and step-by-step solutions to fix transceiver compatibility ...

Troubleshoot Fiber Links on Catalyst 9000 Series Switches

Introduction This document describes how to troubleshoot fiber optic interfaces by addressing some of the fiber optic module and cabling specifications. Prerequisites Requirements

Tech Talk - View the Optical Module Status on a Switch with CLI

In this edition of Cisco Tech Talk, I'll show you how to view the optical module status on a switch through the Command Line Interface also referred to CLI.

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

Transceiver disconnects when i power down my PC

when i power down my PC, the transceiver disconnects from the switch. i have to physically pull it out and reinsert it to get the network back up to my PC. Is there any way to fix this?

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:

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.

#### Optical Module Solutions for Huawei S5700/S5720 Series Switches

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

View the Optical Module Status on a Switch through the

Once the transceiver and fiber optic cable are plugged in properly in the switch optical module, you should be able to view the current information for

#### How to View Optical Module Status on a Cisco Switch

In this Cisco Tech Talk, learn how to view the optical module status on a Cisco switch using the Command Line Interface (CLI). This video demonstrates

#### Intermittent Connection Loss between Switches

I have a connection between two switches that have been working fine for about two years, but now intermittently loses connection. Switch A is in a small office. That switch connects with

#### Network Switch Troubleshooting Guide: Common

A comprehensive switch troubleshooting from the physical layer to the data link layer to the network layer to find out why your network switch is not

The optical cable on the transmission side is intermittently ...

Because the jitter rate of the signal optical power exceeds the threshold, the data and clock cannot be quickly traced and restored. As a result, services on the optical module of the WDM

## Contact Us

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