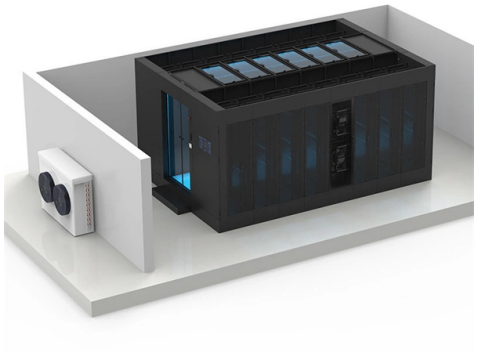
The switch cannot see the optical module



Overview

If possible, remove and reinstall the optical modules to check whether the fault is rectified. Based on typical issues encountered with optical modules in daily switch applications, this document summarizes basic troubleshooting steps for resolving common faults: 1. The Cisco Small Business Series Switches allow you to plug in a Small Form-factor Pluggable (SFP) transceiver in their optical modules to connect fiber optic cables. 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. Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows: Transceiver Type :1000_BASE_SX_SFP Connector Type :LC Wavelength(nm) :850 Transfer Distance(m) :300(50um),150(62. 5um) Digital Diagnostic Monitoring :YES Vendor Name. The pass-through module takes electrical signals from daughter cards and passes them directly to a downstream switch module using copper wiring only.

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved

Article Content

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:

Typical Troubleshooting Cases of Optical Module

If possible, remove and reinstall the optical modules to check whether the fault is rectified. If the fault persists, run the reboot command to restart the switch or power cycle the switch, and check whether

View the Optical Module Status on a Switch through the Command

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 ...

Common Switch Error Messages When a Transceiver Is

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

Huawei Optical Switch View Optical Module Commands

Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows:

Troubleshooting Tip: Optical Fiber module check | Community

Remove the SFP module from the slot. Clean any dust. Clean any dust on the fiber. Clean any dust on the fiber patch or patch panel. Plug the SFP back in and assess. When using a

show interfaces diagnostics optics | Junos OS | Juniper Networks

Generally, a high alarm or low alarm indicates that the optics module is not operating properly. This information can be used to diagnose why a transceiver is not working.

Optical monitoring not possible on ports with link down?

On other vendor''s switches I was always able to show DOM/DDM/optical-monitoring parameters for ports in down state which can help a lot to troubleshoot why the link is not working. In

16 Tips to Troubleshoot Your Optical Transceiver Issues

SFP module not powered on: Please check whether the optical transceiver is inserted correctly into the switch slot and whether it is turned on.

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved

Troubleshooting and Repairing Optical Transceiver Failures in

SFP or SFP+ optical transceiver failure can happen in multiple recognizable ways.The most notable fault is the “module not detected” error, which describes a situation in which a switch

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

View the Optical Module Status on a Switch through the Command

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 the optical connection, which helps you manage

View the Optical Module Status on a Switch

Article ID:5508 View the Optical Module Status on a Switch Objective The Cisco Small Business Series Switches allow you to plug in a Small Form-factor Pluggable (SFP) transceiver in

How To View Port Status And Optical Module

When optical modules operate on a switch, it is usually necessary to read the module''s internal information to understand its working status—such as

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.

Optical Module: Typical Optical Module Troubleshooting Procedure

Check the model of the faulty optical module. If it is not a Huawei-certified optical module, replace it with a Huawei-certified optical module. If the optical module is installed on a GE port, run the display

How to Troubleshoot A Fiber Optic Transceiver?

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved

How to troubleshoot a fiber optic transceiver? This article will focus on how to troubleshoot and resolve transmission, information reading, and hardware failures of the optical module.

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://dolphinspreschool.co.za
Technical inquiry: https://dolphinspreschool.co.za/project-desk.html
African project coordination: Waterfall City, Midrand, Gauteng, South Africa

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

© 2026 DOLPHIN FIBER SYSTEMS - All rights reserved