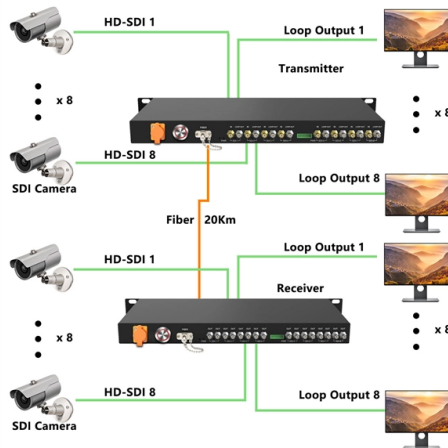


Cisco disables optical module certification



AI Overview

Cisco switches and routers by default restrict non-Cisco optical modules, but administrators can enable third-party support using hidden CLI commands. Default Behavior Cisco devices perform authenticity validation on inserted optical modules. If a module is not Cisco-certified, the device may:

- Shut down the port
- Trigger an alarm
- Display a warning message
- Place the interface in an errdisable state

This behavior ensures network reliability and prevents potential issues from incompatible or low-quality optics.

Enabling Third-Party Modules Network engineers can override this restriction using hidden commands in global configuration mode:

- Enable third-party support: `CodeCopy service unsupported-transceiver no errdisable detect cause gbic-invalid`

After applying these commands, the module will link up and function normally. Save the configuration to retain it after a reboot: `CodeCopy copy running-config startup-config`

- Disable third-party support (restore default behavior): `CodeCopy no service unsupported-transceiver errdisable detect cause gbic-invalid`

These commands are not visible via the standard `? help` function and are considered hidden features.

Considerations and Risks Using non-certified modules may void Cisco support or warranty coverage. Signal integrity and Digital Optical Monitoring (DOM) should be verified using: `CodeCopy show interface transceivers show` transceiver details

Factory resets on Cisco devices will re-disable third-party modules by default, requiring re-application of the hidden commands.

Summary Cisco's optical module certification is a built-in safeguard to ensure network stability and compatibility. While third-party modules can be used, it requires explicit configuration using hidden CLI commands, and administrators should carefully monitor performance and support implications when bypassing these restrictions.

Article Content

How To Enable Support For Third-Party Modules On Cisco Switches

In global configuration mode, execute the following commands in sequence to disable the switch's optical module validation and allow third-party modules: `service unsupported-transceiver. no`

Cisco Optical Technology Intermediate (OPT200)

Description The Cisco Optical Technology Intermediate (OPT200) training is designed to teach you the skills necessary to deploy the Cisco® Optical Networking System (ONS), 15454 Multiservice

ISR 4431 router SFP issue

The problem is very similar: `%TRANSCEIVER-3-INIT_FAILURE: R0/0: iomd: Detected for transceiver module in GigabitEthernet0/0/0, module disabled` I tried the commands: `- media-type`

FAQs About Optical Modules

If the optical transceivers have been certified, run the `transceiver phony-alarm-disable` command to disable non-certified optical transceiver alarms. Involved version: V200R001 and later

Solved: Disabled GBIC SFP module

Cisco-approved SFP modules have a serial EEPROM that contains the module serial number, the vendor name and ID, a unique security code, and cyclic redundancy check (CRC).

How Huawei CE & S Series Switches Handle Non

How Huawei CE & S Series Switches Handle Non-Certified Optical Modules
Background In past projects and testing experience, it was commonly believed

Threat Actors Probe Gitea Docker Flaw CVE-2026-20896 13

CVE-2026-20896 (CVSS 9.8) in Gitea Docker images allows unauthenticated remote attackers to gain elevated privileges by spoofing the X-WEBAUTH-USER

Cisco EOL & EOSL List | Free End of Life Date Checker

Find the latest Cisco End of Life (EOL) & End of Service Life (EOSL) dates and get clear insights into the official EOL policy.

SFP Modules: The Unsung Heroes of Modern Networks

SFPs: The Small Components That Keep Modern Networks Connected As network engineers, we talk a lot about routers, switches, and bandwidth — but rarely do we give enough credit to the small, hot ...

How to Tell Cisco Product Is Genuine?

Examine the labels to see whether a Cisco product is genuine. Cisco's Identity Counterfeit Platform identifies critical security elements on the Carton Security, PCBA, and Module

SG350XG-48T Optical Module not coming up. Disable copper on the

Hi, can we set the switch to use only the fiber media on Port 24/48? Is it possible to disable the copper port on the combo Port? We have the problem that the optical module switches

Digital Optical Monitoring

Introduction This document provide information about DOM (Digital Optical monitoring) Information Digital Optical Monitoring or DOM is an industry

ITPro Today, Network Computing, IoT World Today combine

ITPro Today, Network Computing and IoT World Today have combined with TechTarget . The page you are looking for may no longer exist.

ISR4321/K9

000117: *Nov 16 21:31:00.146 UTC: %TRANSCEIVER-3-NOT_SUPPORTED: SIP0: iomd: Detected for transceiver module in Gigabitethernet0/0/0, module disabled I have tried another GLC-SX-MMD

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

Optical module authentication failed

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.

Disabling the Alarm Function for Optical Modules That Are Not Certified ...

Context If optical modules that are not certified for Huawei data center switches are used on devices, the devices will generate a large number of alarms to prompt users to replace these

Exam, Testing, and Certification Policies

Cisco's exams, testing, and certification policies are designed to provide learners with a fair and secure certification experience.

Cisco Optical Technology Intermediate (OPT200)

Learn the skills necessary to deploy the Cisco Optical Networking System (ONS), and Cisco Network Convergence System (NCS) 2000 Series from installation to protection.

How To Enable Support For Third-Party Modules On

By default, Cisco switches perform authenticity validation on inserted optical modules. If a module is identified as non-Cisco original, the switch may

Why Are Alarms About Optical Modules That Are Not Certified for

Therefore, alarms about optical modules that are not certified for Huawei Ethernet switches are generated. You can run the transceiver non-certified-alarm disable command to disable the

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

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Full text of "NEW" See other formats Word . the, > < br to of and a : " in you that i it he is was for - with) on (? his as this ; be at but not have had from will are they -- ! all by if him one your or up her there

SFP-CH-OC3STM1-I Information and Matrix compatibility

*Feb 23 03:10:55.234: %TRANSCEIVER-3-NOT_COMPATIBLE: C0/0: iomd: Detected for transceiver module in GigabitEthernet0/0/6, module disabled I can't find any information about this SFP on the

Field Notice: FN

Field Notice: FN - 72217 - SUDI Certificate Expiration Might Impact Certain Encryption Functionality on Optical Products - Software Upgrade Recommended

Why Are Alarms About Optical Modules That Are Not Certified for

Vendor information of optical modules early delivered from Huawei may not be recorded. Therefore, alarms about optical modules that are not certified for Huawei Ethernet switches are

Configuration Guide for Cisco NCS 1001, IOS XR

Use the hw-module eth-switch command to enable, disable, or clear the UDC port configurations in the configuration mode. To clear the configured

Contact Us

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