Cisco Viewing Optical Modules



Overview

This article provides instructions on how to view the Optical Module Status on your switch through the Command Line Interface (CLI).

Key Takeaways

Cisco optical modules can be monitored via the web-based utility or CLI commands to check status, diagnostics, and operational metrics.

Web-

Based Utility Method

For Cisco Small Business switches (e.g., SG350X series), you can view optical module status through the web interface: Log in to the switch's web-based utility. Navigate to Status and Statistics > Diagnostics > Optical Module Status. Select the switch and port from the Filter drop-down list, then click Go.

The page displays key metrics: Port: Port number of the SFP. Description / PID / VID / Serial Number: Module identification details. Temperature / Voltage / Current: Operational parameters.

Output Power / Input Power: Transmit and receive optical power. Transmitter Fault / Loss of Signal / Data Ready: Status indicators for troubleshooting. This method is useful for quick monitoring and basic diagnostics without using the command line.

© 2026 AK OPTICAL SYSTEMS - All rights reserved

CLI Method

For enterprise switches (Catalyst, C9300, etc.), the CLI provides detailed diagnostics: Check interface status: show interface status Confirms which ports are connected and their link state. View module inventory: show inventory Lists installed SFPs with part numbers, serial numbers, and vendor info. Detailed transceiver metrics: show interfaces transceiver detail or show interface transceiver detail Displays DOM/DDM values including TX/RX power, temperature, voltage, and bias current.

EEPROM/vendor information: show idprom interface or show idprom transceiver extended Retrieves module type, serial number, and compatibility details. Key Metrics to MonitorTX Power: Strength of transmitted light; low values may indicate a failing laser.

R

X Power: Strength of received light; low values can cause intermittent link issues. Temperature / Voltage / Current: Ensure values are within operational thresholds. Link Status: UP indicates normal operation; DOWN or err-disabled may require troubleshooting.

Troubleshooting Tips

If the port shows “unsupported transceiver”, verify module compatibility with Cisco guidance. Monitor optical power levels regularly to detect degradation before link failures occur.

Use CL

I commands to cross-check web-based readings for accuracy and detailed diagnostics. By combining web-based monitoring and CLI commands, network engineers can effectively manage Cisco optical modules, ensure link reliability, and troubleshoot issues proactively.

Article Content

View the Optical Module Status on a Switch through the Command

This article provides instructions on how to view the Optical Module Status on your switch through the Command Line Interface (CLI). The Cisco Small Business Series Switches allow you to plug in a

How To View Port Status And Optical Module Information On Cisco ...

By reading internal parameters of optical transceivers on switches, users can monitor link status, real-time transmit/receive power, operating temperature and other data. It also verifies coding

© 2026 AK OPTICAL SYSTEMS - All rights reserved

Optical Transceiver Manufacturer,How To Check

This guide provides complete, step-by-step CLI commands to view module type, DOM/DDM diagnostic data, vendor details, and compatibility

Cisco Command to Check SFP Module Details

For network engineers, knowing how to view and interpret SFP information from the Cisco command-line interface (CLI) is essential. By

Cisco Compatible Optical Modules Catalog

ing of parameters such as optical output power temperature, and bias current. This architecture integrates advanced retiming and clock data recovery (CDR) circuits for high-speed modules (10G

How to View Optical Module Status on a Cisco Switch via CLI

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

Cisco SFP Commands Cheat Sheet: Check Status & Troubleshoot

Learn how to check SFP module health on Cisco switches. This guide covers essential CLI commands (show inventory, DOM), fixes for "unsupported transceiver" errors, and interpreting optical power levels.

How To View Port Status And Optical Module Information On Extreme ...

When optical modules are installed on switches, it is necessary to read internal module parameters to monitor operating status, including link connectivity, real-time transmit/receive optical

Viewing single-mode and multi-mode Cisco optical modules

Learn Cisco commands like show inventory and show interface transceiver detail to monitor SFP modules, DDM metrics, and compatibility. This article provides instructions on how to view the

Optical Transceiver Manufacturer,How To Check Optical Module ...

Finally, the networking of Cisco switch needs DAC direct attach cable, AOC active optical cable, optical module and patch cord. This paper introduces the models of some optical modules,

Cisco Optics | Transform Your Network

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

© 2026 AK OPTICAL SYSTEMS - All rights reserved

Measuring the Optical Level through IOS

This document discusses the options for measuring the optical level of a signal for optical links between Cisco routers. It describes which command to use in order to measure signal level,

Configuration Guide for Cisco NCS 1001, IOS XR Release 7.9.x

OSC (Optical Service Channel) is an out-band channel added and dropped into the optical amplifier module. The wavelengths supported by OSC are 1510 nm and 1610 nm.

Cisco Command to Check SFP Module Details

Learn Cisco commands like show inventory and show interface transceiver detail to monitor SFP modules, DDM metrics, and compatibility.

How to Check SFP Module: Testing and Compatibility

Learn how to check an SFP module using Cisco commands, diagnostics, and compatibility checks. Step-by-step guide to test SFP optics and choose the right module.

How to Check SFP Optical Power Levels on Cisco Switches

Learn how to monitor SFP optical power on Cisco switches, interpret Tx/Rx levels, and troubleshoot fiber link issues. Step-by-step CLI commands, model-specific guidance, and best practices included.

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.

Cisco Pluggable Optical Transceivers Product Selection Tools

Simplify the selection of pluggable optical transceivers Cisco provides the industry''s most comprehensive set of networking platforms to address a variety of applications across campus,

Related Video Reference

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

© 2026 AK OPTICAL SYSTEMS - All rights reserved

Contact Us

Continue your research online:

Website: https://aboutkitchens.biz
Technical inquiry: https://aboutkitchens.biz/project-desk.html
North American project location: Research Triangle Park, North Carolina, United States

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

© 2026 AK OPTICAL SYSTEMS - All rights reserved