

How to check the status of optical modules on Cisco devices



Article Overview

Use Cisco CLI commands like show interface transceiver detail, show inventory, and show idprom to monitor SFP health, link status, and optical diagnostics.

Step 1: Access the Device

SSH or console into your Cisco switch or router. Enter Privileged EXEC mode using enable and your credentials.

Step 2: Verify Port and Link Status

- Run show interface status to see all ports, their link status (up/down), speed, duplex, and media type. This quickly confirms whether the port recognizes the SFP module and is operational .
- For detailed interface information, use:
show interface This displays negotiation speed, link type, media type, and traffic statistics .

Step 3: Check Installed Modules

- Use show inventory to list all installed hardware, including SFPs, with Product ID (PID), Version ID (VID), and Serial Number (SN) .
- If a module does not appear, reseal it or verify compatibility....

Article Content

Jul 20, 2026

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

May 25, 2026

Monitoring Optical Module Status

Hello, How we can get all the information presented in this image through command line (the target switch is cisco

Oct 02, 2025

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

Mar 25, 2026

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

Jun 29, 2026

Mastering Cisco Optics: Understanding TX/RX Light Levels

Stop guessing your fiber health. Discover how to use Cisco DOM commands to measure real-time TX/RX light levels

Nov 29, 2025

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

Jul 09, 2026

How to Test Cisco Transceivers: NX-OS Compatibility Guide

Master Cisco transceiver testing with NX-OS CLI commands. Step-by-step guide for compatibility checks,

Aug 01, 2025

Cisco Command to Check SFP Module Details

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

Sep 02, 2025

Solved: How can I see the optical power in a ...

How can I see the optical power in a gigabitethernet interface of the next module WS-X4612-SFP-E in WS-4507R+E?

Jul 17, 2026

Cisco Optical Transceiver Handling Guide

A module that has temperature reading less than 55°C should be comfortable for handling. For transceivers that need to be

Feb 13, 2026

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

Nov 28, 2025

Cisco Optics-to-Device Compatibility Matrix

Comprehensive compatibility information for Cisco optical transceivers and network devices Disclaimer: Cisco makes the data in this

Mar 11, 2026

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

We connect Moduletek SFP-25G-SR transceiver to Cisco C9300 switch, and demonstrate how to view port status

Dec 23, 2025

Measuring the Optical Level through IOS

This document discusses the options for measuring the optical level of a signal for optical links between Cisco

Jan 04, 2026

How to know SFP Type (Electrical or Optical) in IOS XR ...

When I check "show inventory" output in ASR9k, I can't see any PID displayed for SFP. I am aware that it is an

Sep 15, 2025

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

Feb 07, 2026

How to Use Cisco Command to See SFP Module Details?

Small Form-Factor Pluggable (SFP) modules are essential transceivers used in Cisco switches and routers to connect devices via

Mar 20, 2026

How To Check The Compatibility Of Cisco Optical Modules with

When using optical modules with switches, you need to confirm the compatibility between the optical module model

Mar 18, 2026

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

Apr 13, 2026

How to view the optical module DDM information?

DDM (Digital Diagnostics Monitoring) is a feature that is included in optical modules, such as SFP, SFP+, QSFP, and

Sep 03, 2025

Solved: Understanding TX RX light level

Both interfaces that connect the devices state were no shutdown and the details provided where the light levels

Apr 13, 2026

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 their

Sep 06, 2025

View the Optical Module Status on a Switch through the Command

Article ID:5568 View the Optical Module Status on a Switch through the Command Line Interface (CLI) Objective

Apr 23, 2026

Troubleshooting Fiber Cables : r/networking

There is a single mode optical fiber cable in our datacenter going from a Cisco N5K to another N5K across different racks. The link

Jul 11, 2026

Optical Transceiver Manufacturer,How to check optical module ...

We will introduce how to query the information of optical module on Cisco switch. First, we need to connect to the

Jun 07, 2026

Displaying Optical Module Information

Check whether the local and remote devices use optical modules of the same type but from different vendors. If the connected

Feb 19, 2026

How to Check SFP Optical Power Levels on Cisco Switches

Q4.How to check power status on a Cisco switch? If referring to internal power (PoE or PSU), use show environment all or show

Nov 05, 2025

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

Feb 04, 2026

Optical Module Status

The Optical Module Status page displays the operating conditions reported by the SFP (Small Form-factor Pluggable) transceiver.

Nov 30, 2025

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

Feb 03, 2026

Optical Transceiver Manufacturer,How to check optical module ...

Optical module identification and status monitoring are essential daily tasks for network engineers maintaining Cisco

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://khanimamboguesthouse.co.za>

Email: sales@khanimamboguesthouse.co.za

Phone: +27 64 852 1973

Address: Unit 7, Greenway Business Park, 8 Innovation Drive, Centurion, 0157, South Africa

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