

Check the port optical module



Article Overview

You can check optical module port information using CLI commands to view port status, transceiver type, link status, and diagnostic data on switches.

Checking Optical Module Information on Cisco Switches

- **View Port Status and Link Information** Use the command: `show interface` This displays the port negotiation speed, link status (UP indicates normal operation), transceiver type, and traffic statistics for troubleshooting . To see all ports, run: `show interface status`
- **View Transceiver Identification** Use: `show inventory` This shows hardware details, transceiver model, serial number, and Cisco-compatible specifications stored in the module EEPROM . For detailed coding information: `show idprom interface` This provides transceiver type, encoding, wavelength, and supported distances .
- **Optional Media Converter Details** On some Cisco switches, you can run: `show fiber-optic port media converter [interface interface-id]` to view media converter and optical module details .

Checking Optical Module Information on Extreme Switches

- **View Port and Module Status** Run: `show port configuration` or `show port configuration no-refresh` The output includes interface speed, duplex mode, optical module type, and link status (Active indicates normal operation), .
- **Query Module Identification and DDM Data** Run: `show ports transceiver information detail` This provides module type, part number, vendor, serial number, operating wavelength, and real-time diagnostics such as temperature, voltage, and Tx/Rx optical power

Article Content

Jan 09, 2026

How To View Optical Transceiver Information On Network

Optical transceivers can be used on switches, routers and network adapters (fiber network cards). Special commands

Apr 01, 2026

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

This document uses the Moduletek SFP-10G-LR-BIDI optical module installed on an Extreme X690-48x-2q-4c switch

Oct 16, 2025

How To View Port Status And Optical Transceiver Information

We have previously shown like Cisco, H3C, Huawei, these mainstream host brands how to read access to the switch

Aug 20, 2025

Checking the Optical Module

Procedure Check whether the firewall supports the optical module based on the model of the optical module inserted into the

Jun 16, 2026

Displaying Optical Module Information

Run the display transceiver diagnosis interface [interface-type interface-number] command to view diagnostic information about a

Feb 15, 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

May 19, 2026

Displaying Optical Module Information

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module

Oct 08, 2025

View the Optical Module Status on a Switch

Once the transceiver and fiber optic cable are plugged in properly in the switch optical module, the Optical Module

Jun 07, 2026

Troubleshooting Optical Module Issues

Check whether the optical fiber matches the optical module. If not, replace the optical fiber with a matching one.

Feb 09, 2026

Typical Troubleshooting Cases of Optical Module

Check whether the information is consistent with the optical module specifications provided in the product documentation. (For

Nov 02, 2025

Troubleshooting Guidelines for Optical Modules

Remove and reinstall the optical module. If the fault persists, replace the optical module with a normal one of the

Oct 22, 2025

How To View Port Status And Optical Transceiver Information On

Reading internal transceiver parameters allows users to monitor link status, real-time optical power, temperature and

Feb 16, 2026

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

Nov 15, 2025

Optical module common faults and solutions

In this article, we will focus on teaching you how to troubleshoot and solve the common three categories of optical

Oct 14, 2025

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

Nov 15, 2025

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

Mar 26, 2026

port is disconnected due to optical module faulty

As per checked the log, it was found that the host port was disconnected, This alarm indicates the port and switch has

Aug 28, 2025

Troubleshooting Tip: Optical Fiber module check | Community

Description This article describes how to troubleshoot malfunctioning or flapping optical modules. Scope Any

Jul 18, 2026

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

How to View Optical Module & Media Converter Details In the second step, in the privileged exec mode of the switch,

Apr 22, 2026

Optical Module Application: Common Problems & Troubleshooting

1. Check compatibility between the optical module and switch Most switch brands have specific compatibility

Nov 28, 2025

Cisco Command to Check SFP Module Details

By checking module health, compatibility, and digital diagnostics, you can quickly confirm correct installation, detect

Feb 23, 2026

Monitoring Optical Module Status

Not sure these are SMB switches has focussed more of GUI based, not sure when you getting information GUI why

Sep 07, 2025

Troubleshoot Fiber Links on Catalyst 9000 Series Switches

This document describes how to troubleshoot fiber optic interfaces by addressing some of the fiber optic module and

Apr 18, 2026

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

May 04, 2026

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

Optical modules work on the switch usually need to read the internal information of the module to understand its

Nov 28, 2025

Troubleshooting Optical Module Issues

Troubleshooting Optical Module Issues Symptom An optical port cannot go Up. The optical module cannot be properly

Jun 04, 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

Contact Us

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