

How to check the optical ports on a switch



Article Overview

You can determine if a switch port is optical by checking the installed transceiver type, port status, and interface details using CLI commands like `show inventory`, `show interface status`, and `show interfaces transceiver detail`.

Step 1: Check Installed Modules

Use the command `show inventory` to list all installed hardware and transceivers. This will display the type of SFP, SFP+, GBIC, or QSFP module installed on each port, including part numbers and serial numbers. If a fiber SFP is present, the port is optical; if a copper module (like GLC-TX) is installed, it is electrical .

Step 2: Inspect Interface Status

Run `show interface status` to see the port type, speed, and link status. Ports labeled with “10/100/1000TX” typically indicate copper Ethernet, while ports showing SFP or fiber-related identifiers suggest optical connectivity .

Step 3: Detailed Transceiver Diagnostics

For deeper verification, use:

- `show interfaces transceiver detail` or `show interface transceiver detail` to read DOM/DDM values such as Tx/Rx power, temperature, and voltage....

Article Content

Oct 24, 2025

How To View Port Status And Optical Transceiver Information On

show fiber-ports optics <slot/port> It displays real-time DDM parameters, including TX/RX optical power, operating

Sep 22, 2025

Identifying SFP or fibre connections from switchports

Hi All, We have some server connections which are being checked for moving to a different location. The switch (

Jun 21, 2026

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

Feb 17, 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

Jul 12, 2026

How to easily assess Optical Received Power on all Force10 Ports

Below is the CLI command to show only ports that are linked up and the respective optical received power: All optical

Jun 27, 2026

Fiber optic cable check command

I know that "show cable-diag tdr int [slot/port]" command can check 10/100/1000 ethernet link. For example WS-X6748

Oct 15, 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

Aug 16, 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

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

Feb 09, 2026

show interfaces diagnostics optics | Junos OS | Juniper Networks

Display diagnostics data and alarms for Gigabit Ethernet optical transceivers (SFP, SFP+, XFP, QSFP+, or CFP) installed in EX

Jun 23, 2026

How To View Port Status And Optical Transceiver Information

We have shared transceiver query methods for mainstream switches such as Huawei, H3C and Cisco. Fortinet

Oct 09, 2025

How can I see the optical power in a gigabitethernet interface of the ...

Solved: Hi, I need your help to know what command Can I use to display the power optics from a interface on a

Mar 11, 2026

How To Check Port Status And Optical Transceiver Information On

When optical transceivers operate on switches, reading internal module parameters helps monitor link status, real

Feb 07, 2026

How to show interface transceiver details on Brand Switches?

This CLI command, "show fiber-ports optics-eeprom," allows you to check the SFP's EEPROM information, including

Mar 19, 2026

The Show fiber ports optical transceiver port detail command ...

The Show fiber ports optical transceiver port detail command gives inconsistent results on the Dell PowerConnect 6024 and 6024F

Jul 29, 2025

Catalyst 4500 Series Software Configuration Guide, 7.5

Checking Port Status and Connectivity This chapter describes how to check switch port status and connectivity on the Catalyst

Sep 08, 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

Jun 14, 2026

Solved: Testing fibre cables from a switch

Solved: Hi everyone, I have two new Cisco switches connected to each other with a fibre cable. Does anyone know

Aug 05, 2025

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

When optical modules are installed on switches, it is necessary to read internal module parameters to monitor

Jul 19, 2026

How to find what port im connected to on a switch from my PC?

I've asked this question before and it seems noone truly understands me. I sure there's a way you can find out what

Dec 08, 2025

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

For mainstream Cisco Catalyst switches, use these industry-standard commands instead for accurate optical module

Aug 07, 2025

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

Jul 05, 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

Aug 02, 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 21, 2026

How to Copper Test a Port on a Switch through the Command Line ...

This article explains the performance of the copper ports test done by the VCT on Gigabit Ethernet (GE) ports through

Jul 02, 2026

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

Reading internal transceiver data helps monitor link status, optical power, temperature and coding compatibility

Nov 03, 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

Jul 01, 2026

How to check fiber ports in cisco switch?

It's always important to ensure that the fiber optic modules are compatible with the Cisco switch to avoid

Nov 16, 2025

Solved: Distinguish Optical ports through CLI

Hello, How can I distinguish if a port is optical or electrical through the CLI? If the port type says Gi1/2 it can be from

Contact Us

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