View switch optical port information



Overview

How To View Port Status And Optical Module Information On Cisco By reading internal parameters of optical transceivers on switches, users can monitor link.

Key Takeaways

You can view optical port information on a switch using CLI commands that display interface status, module type, diagnostic data, and optical power metrics. Viewing Optical Module Status on Cisco SwitchesCheck Interface StatusUse the command: show interface to see link state, interface rate, module type, and traffic statistics. If you are unsure of the interface, run show interface status to list all interfaces and their types.

View Module Inventory

Execute show inventory to display all optical modules installed, including serial numbers, part numbers, and module types.

Detailed Module Information

For IDPRO

M data of a specific module, run: show idprom interface. This provides transceiver type, encoding, wavelength, and supported distances. Diagnostic Monitoring (DOM/DDM)Use show fiber-ports-optical-transceiver or show fiber-ports-optical-transceiver-info to view real-time metrics such as: Temperature (°C)Voltage (V)Current (mA)Transmit (TX) and receive (RX) optical power (mW)TX fault and loss-of-signal (LOS) indicators.

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Viewing Optical Module Status on Extreme EXOS SwitchesUse the command: show ports media or show ports transceiver to display optical transceiver details for all ports. This includes DDMI-supported metrics like temperature, voltage, and optical power.

General Steps for Any Switch

Access the Switch CLIConnect via console, SSH, or Telnet. Enter privileged EXEC mode (e.g., enable on Cisco switches).

Identify the Port

Determine the interface ID where the optical module is installed.

Run Vendor-

Specific Commands

Cisco: show interface, show inventory, show idprom, show fiber-ports-optical-transceiver. Extreme: show ports transceiver or show ports media.

Interpret Output

Check link status (UP/DOWN), module type, wavelength, supported distance, and real-time diagnostics. Use this information for troubleshooting, verifying module compatibility, or monitoring optical performance. By following these steps, network engineers can effectively monitor and manage optical ports, ensuring proper operation and early detection of potential issues.

Article Content

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

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

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

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 as an example to demonstrate how to view port status and optical

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Cisco SFP Commands Cheat Sheet: Check Status & Troubleshoot

This guide gives a practical, CLI-focused workflow for checking SFP health and diagnostics on Cisco switches, shows the exact commands you''ll use, explains what the numbers mean, and compares

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 checking module health, compatibility, and digital

Displaying Optical Module Information

Run the display transceiver diagnosis interface [interface-type interface-number] command to view diagnostic information about a specified optical module. This command displays the digital diagnostic

How to show interface transceiver details on Brand Switches?

Most brands'' ethernet switches provide features to show interface transceiver details information via CLI (Command-Line Interface). Generally, you can use those commands to view

Huawei Switches Viewing Optical Port Receiving and Sending

Use the command display transceiver to view the optical module information of all optical ports, and use the command display transceiver interface interface-type interface-number to view the

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 network, and then log on to the management platform of Cisco switch.

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 switches use distinctive CLI commands. We connect Moduletek SFP-GE

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 between modules and switches. We use Moduletek SFP-10G-LR

How To View Port Status And Optical Transceiver Information On

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Reading internal transceiver parameters helps monitor link status, real-time TX/RX optical power, temperature and coding compatibility between transceivers and switches. This document

Displaying Optical Module Information

Displaying Optical Module Information Context When the optical module on an interface is faulty, you can run the display commands to view information about the optical module.

Cisco 10GBASE SFP+ Modules Data Sheet

The Cisco® 10GBASE SFP+ modules (Figure 1) give you a wide variety of 10 Gigabit Ethernet connectivity options for data center, enterprise

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 switch WS-4507R+E Cisco IOS Software, Catalyst 4500 L3 Switch

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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 both types. Is that right? I am in a Cisco 7200 and Cisco 7600 CLI. If I

How To View Port Status And Optical Transceiver Information On Palo ...

1. View Port Link Status Run the command: show interface ethernet It displays port speed and runtime link status. Runtime link Up means normal transceiver link

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