

How to view the optical ports on a switch



AI Overview

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 Switches

Check Interface Status Use 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 IDPROM 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.

Viewing Optical Module Status on Extreme EXOS Switches Use 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 CLI Connect 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...

Article Content

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

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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 coding compatibility between modules and switches. We connect

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).

How to check fiber ports in cisco switch?

Use the "show interface" command on the switch's command line interface (CLI) to display the status and statistics of the fiber ports. This command will provide

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 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

Nvidia outlines plans for using light for communication

Nvidia will introduce CPO-based optical interconnection platforms both for Ethernet and InfiniBand technologies. First, the company plans to

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

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Digital Optical Monitoring

To monitor DOM metrics on the Switching > Monitor > Switches page under the Ports tab, follow these steps: In the left-hand navigation menu, navigate to Switching > Monitor > Switches to

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). This video demonstrates how to access the optical module

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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

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.

Products

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What Is the Optical Audio Port, and When Should I Use It?

The port is typically labeled "optical audio", "TOSLINK", "Digital Audio Out (Optical)" or something similar, but you certainly don't need a label to

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.

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

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