Can I view optical module information if the port is down

Overview

Execute the following command to view detailed interface and optical module status: show interface <interface-type> <interface-number>Execute the following command to view detailed interface and optical module status: show interface <interface-type> <interface-number>When optical modules operate on a switch, it is usually necessary to read the module's internal information to understand its working status—such as connection status and real-time metrics like optical power and temperature. Additionally, identifying module information helps detect coding. 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 OEM (Cisco) vs third-party modules so you can pick the right SFP module supplier for reliability and cost. The Cisco Small Business Series Switches allow you to plug in a Small Form-factor Pluggable (SFP) transceiver in their optical modules to connect fiber optic cables. Once the transceiver and fiber optic cable are plugged in properly in the switch optical module, you should be able to view the. Display diagnostics data and alarms for Gigabit Ethernet optical transceivers (SFP, SFP+, XFP, QSFP+, or CFP) installed in EX Series Switches

or QFX Series Switches. The information provided by this command is known as digital optical monitoring (DOM) information. DDM is typically enabled by default, but you can verify this by checking the. Cisco IOS provides several useful CLI commands for viewing SFP information. Lists all detected hardware, including installed SFPs — displays Product ID (PID), Version ID (VID), and Serial Number. Displays full DDM metrics such as temperature.

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Additionally, identifying module information helps detect coding compatibility between the module and the switch. The following introduces the specific operations to view the working status ...

Learn how to check SFP module health on Cisco switches. This guide covers essential CLI commands (show inventory, DOM), fixes for "unsupported ...

On other vendor''s switches I was always able to show DOM/DDM/optical-monitoring parameters for ports in down state which can help a lot to troubleshoot why the link is not working.

This article provides instructions on how to view the Optical Module Status on your switch through the Command Line Interface (CLI).

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.

Once the optical module has been discovered and SNMP has been configured on the host device, you can use SNMP commands to view the DDM information. The specific commands ...

An important factor is to make sure that Cisco-compatible transceivers are fully compatible with your Cisco switch. ... This can be done by searching the Cisco switch hardware ...

Display diagnostics data and alarms for Gigabit Ethernet optical transceivers (SFP, SFP+, XFP, QSFP+, or CFP) installed in EX Series Switches or QFX Series Switches. The information provided by this ...

You can run the display this interface command in the interface view on the firewall to check the port information to see whether the transmit optical power and receive optical power are ...

By checking module health, compatibility, and digital diagnostics, you can quickly confirm correct installation, detect optical problems, and maintain accurate hardware inventory.

Learn how to monitor SFP optical power on Cisco switches, interpret Tx/Rx levels, and troubleshoot fiber link issues. Step-by-step CLI commands, model-specific guidance, and best practices included.

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