

93 How to view optical module information



Overview

Displaying Optical Module Information Displaying Optical Module Information Context
When the optical module on an interface is faulty, you can run the disp.

Key Takeaways

You can view optical module information using CLI commands, DDM monitoring, or SNMP, depending on your network device and module type. Viewing Optical Module Information on Huawei Devices
On Huawei switches, you can use the display transceiver command to check module details. The syntax is: `CodeCopydisplay transceiver [ interface interface-type interface-number | slot slot-id ] [ verbose ]` This command provides information about the optical module installed on a specific interface, including wavelength, transmission distance, optical power, temperature, voltage, and current.

Huawei recommends using Huawei-certified modules to ensure accurate readings and avoid compatibility issues, as non-certified modules may provide incorrect data or cause hardware problems. Viewing Optical Module Information on Cisco Devices
For Cisco switches, you can use several CLI commands: Check interface and module status: `CodeCopyshow interface` This displays interface rate, module type, link state, and traffic statistics. 2.



View inventory and module identification: `CodeCopyshow inventoryshow idprom interface` These commands provide module type, serial number, Cisco-compatible part number, connector type, transceiver codes, wavelength, and supported distances. 3. Check Digital Diagnostic Monitoring (DDM) metrics: `CodeCopyshow interface transceiver detail` This shows temperature, voltage, transmit (Tx) and receive (Rx) optical power, and vendor details.

DD

M allows monitoring of module health and early detection of optical degradation. 4.

Optional SNMP

P access: If your network supports SNMP, you can query DDM information using commands like: `CodeCopysnmpwalk -v2c -c [community string] [module IP address]`.

1. 3.

6. 1. 4.

1. 9. 9.

91. 1. 1.

1. 1. 10 This example retrieves the temperature of an SFP+ module in Celsius.

Best Practices

Ensure the module is properly seated and compatible with the switch. Use certified modules to avoid incorrect readings or hardware damage. Periodically monitor DDM metrics to detect early signs of degradation.

For troubleshooting, check both the interface status and module diagnostics. By following these steps, you can effectively view and monitor optical module information, ensuring reliable network performance and proactive maintenance.

Article Content

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. Related Information

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 transmit/receive power, operating temperature and other data. It also verifies coding

Displaying Optical Module Information

Run the `display transceiver [ interfaceinterface-typeinterface-number | slotslot-id ] [ verbose ]` command to check optical module information on the interface. The Wavelength (nm) field in the command

How To View Optical Transceiver Information On Huawei Switches

Optical modules are commonly used in switches, network cards, routers and other communications equipment, in the process of using the optical module information can be read to

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 the optical module DDM information?

DDM provides detailed information about the optical module's performance and status, allowing network administrators to monitor and troubleshoot network issues. In this article, we will

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

This guide provides complete, step-by-step CLI commands to view module type, DOM/DDM diagnostic data, vendor details, and compatibility information, fully compliant with Cisco

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).

How Can I View SFP Module Optical RX/TX Power Strength on

Optical signal strength is an important element affecting the whole optical links. This post mainly introduces how to check SFP modules signals strength in Cisco and Brocade switches.

Displaying Optical Module Information

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

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

Finally, the networking of Cisco switch needs DAC direct attach cable, AOC active optical cable, optical module and patch cord. This paper introduces the models of some optical modules,

Displaying Optical Module Information

Displaying Optical Module Information You can use the display commands to view information about the optical module on an interface, including conventional information, manufacturing information, and

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).

Teach you to read the DDM information of the optical module on the ...

Today, ETU-LINK will introduce how to query the information of optical module on Huawei switch. Next, we will introduce the query instructions of relevant parameters of optical

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 optical modules to connect fiber-optic cables. Once the transceiver and

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

Optical modules work on the switch usually need to read the internal information of the module to understand its working status, such as module connection and real-time collection of light,

How Do I Check the Transmit and Receive Optical Power of an Optical ...

Run the display interface transceiver verbose command to check the transmit and receive optical power of an optical module. In the command output, Current RX Power (dBm) and Current TX Power (dBm)

FAQ-How Do I View the Transmit and Receive Optical Power of an Optical ...

Modular Switch V200R001 The Current Rx Power (dBm) field in the command output indicates the current receive power of the optical module, and the Current Tx Power (dBm) field

Contact Us

Continue your research online:

Website: <https://ensaa.es>

Technical inquiry: <https://ensaa.es/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

