

RIVO MULTITRADE OPTICAL SYSTEMS

How to display an optical module



Overview

Displaying Optical Module Information Run the display transceiver diagnosis interface [interface-type interface-number] command to view diagnostic inform.

Key Takeaways

You can display optical module information using CLI commands specific to your switch vendor, which provide module identification, link status, optical power, temperature, and other diagnostic data. Viewing Optical Module Information on Switches

1. Huawei Switches

- Use the command: display transceiver [interface interface-type interface-number | slot slot-id] to view basic information about the optical module on a specific interface .

- For diagnostic data, run: display transceiver diagnosis interface [interface-type interface-number] to access Digital Diagnostic Monitoring (DDM) information, including temperature, voltage, current, transmit/receive power, and alarm thresholds .

- Huawei recommends using certified optical modules to ensure compatibility and accurate readings .

2. Extreme Networks Switches

- Check port and module status with: show port configuration or show port configuration no-refresh to view interface speed, duplex mode, link status, and module type .

- For detailed module identity and DDM data, use: show ports transceiver information detail. This displays module type, part number, vendor, serial number, operating wavelength, and real-time diagnostics such as temperature, voltage, and Tx/Rx optical power .

3. Cisco Switches

- To view port link status and transceiver information: show interface or show interface status for all ports .

- For module identification and hardware details: show inventory or show idprom interface provides model, serial number, and EEPROM-stored specifications .

- On Cisco Small Business switches, the command show fiber-ports-optical-transceiver can be used to display SFP or SFP+ transceiver status .

4. Accessing DDM Information

- DDM provides real-time monitoring of key parameters such as temperature, voltage, and optical power .

- DDM can be accessed via CLI commands or SNMP. For SNMP, ensure DDM is enabled, discover the module, configure SNMP on the host device, and use commands like snmpwalk -v2c -c [community string] [module IP] .1.3.6.1.4.1.9.9.91.1.1.1.1.10 to retrieve temperature or other metrics .

Best Practices

- Always verify that the optical module is compatible with your switch to avoid inaccurate readings or link issues.

- Regularly monitor DDM parameters to detect potential failures early.

- Use vendor-specific commands for the most accurate and detailed information. By following these steps, you can effectively display and monitor the status and performance of optical modules across different network devices.

Article Content

Displaying Optical Module Information

Run the display transceiver diagnosis interface [interface-type interface-number] command to view diagnostic information about a

How to view the optical module DDM information?

DDM provides detailed information about the optical module's performance and status, allowing network administrators to

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

Displaying Information About an Optical Module

If a fault occurs on the optical module of an interface, you can run the following commands to view information about the optical module.

Checking Optical Module Information of the Interface

Checking Optical Module Information of the Interface Procedure Run the display interface interface-type interface-number transceiver

TI DLP® System Design: Optical Module Specifications

This document focuses on projection optical modules that incorporate Texas Instruments' DLP Display chips and are designed to

Optical Modules for Micro-LED Displays

Innovations in micro-LED optical modules drive brighter, more efficient, and versatile displays with enhanced color

How to View Optical Module Parameters

Using a Command If an optical module is installed in a running device, you can run the display transceiver command

Everything You Need to Know About Optical Modules

Optical modules are electronic devices used in communication systems to transmit optical signals. These modules

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AR/XR Module Selection & Integration FAQ Answers to common questions from engineers evaluating AR/XR optical architectures,

How to view the optical module DDM information?

show interface transceiver details This command will display the detailed information about the optical module, including

Unpacking the Future of AR: The Binocular Waveguide Module

As augmented reality (AR) technology rapidly advances, optical modules are evolving to deliver increasingly immersive

Displaying Optical Module Information

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

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

Optical module identification and status monitoring are essential daily tasks for network engineers maintaining Cisco

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

Next, we will introduce the query instructions of relevant parameters of optical module, and view the DDM information

Understanding Optical Modules: Types and Troubleshooting Guide

What is an Optical Module? The Ultimate Guide to Principles, Types, and Troubleshooting Working Principle of Optical Modules

Optical See-through

Optical See-through - Birdbath We know that the core of AR glasses is the optical module and the optical module

Huawei Optical Module Display Commands

The display optical-module command displays information about optical modules, including basic information (vendor, bandwidth,

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