Obtain optical module register information

AI Overview

Optical module register information can be obtained via device-specific commands that read module identification, diagnostic data, and operational parameters from the module's internal memory.Accessing Optical Module Information on SwitchesFor Huawei switches, you can use the following commands:Check interface status: display interface This shows interface rate, module type, link status, and traffic statistics, which is essential before reading module registers .View detailed module information: display transceiver interface verbose This command outputs:Basic module identification: module type, wavelength, transmission distance, serial number, manufacturer, etc.DDM/DOM diagnostic data: real-time parameters such as receive/transmit power, temperature, voltage, and bias current, along with threshold ranges .Notes on non-certified modules: Non-Huawei-certified modules may have incorrect A0 register settings, causing parameters and diagnostic information to be unreadable or inaccurate .Accessing Optical Module Information on Linux Network CardsFor modules installed on Linux NICs:Check module status: ethtool Replace with the network interface name (e.g., eth0, p4p1). The output includes link status, interface rate, and module type .Read register-level or SFP-specific data: Some modules provide transceiver codes, connector type, encoding, nominal bitrate, and vendor information via ethtool or I2C-based commands .Accessing Optical Module Information on Cisco SwitchesFor Cisco devices:Log in to the switch and enter privileged exec mode.Display module information: show fiber optic port media converter [interface interface-ID] This command provides module type, DOM/DDM diagnostic data, vendor details, and compatibility information .Key ConsiderationsDDM/DOM support: Ensure the optical module supports Digital Diagn...

Article Content

Obtains optical module information

Example hccn_tool -i 0 -optical -g Obtains the optical module information of device 0. (The Hisense optical module is used as an example.)

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

How To View Mellanox NIC Port Status And Optical Module

Read Port Status and Optical Module Information Using MST. Run the following command to view detailed interface information: mlxlink -d <device> -m. This command displays: •

Presentation

Current revision 1.0 CMIS-FF CMIS-Form Factor: Provides details of HW pins and related registers for different module form factors.

Displaying Optical Module Information

If non-Huawei-certified optical modules are used, the system may be unable to obtain correct information. You are advised to use Huawei-certified optical modules.

Displaying Optical Module Information

The system may fail to obtain information about non-Huawei-certified switch optical modules or obtain incorrect information. You are advised to use Huawei-certified switch optical modules.

How to view the optical module DDM information on

View the optical module information on Huawei switches and H3C switches through the command

Obtains optical module information

Usage Guidelines The temperature and power information is not available when copper cables are used. The support for this command depends on the actual optical module.

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

In this article, ETU-LINK translates the English parameter information of optical module into Chinese, so that you can understand the meaning of these parameters when you query DDM on

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

Obtains optical module information

The network port is disabled by default. To obtain the module information, you need to configure the IP address to enable the network port. Translation Favorite Download Update Date□2024-01-06

How To Read Optical Module Information On Ruijie Switches

This article takes the Moduletek QSFP-100G-SR4 optical module connected to a Ruijie RG-S6510-48VS8CQ-X switch as an example, and introduces the method to query information of the

Optical Transceiver Manufacturer,How To Check

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

Vulkan ® 1.4.356

59.3. Debug Report Callbacks 59.4. Device Loss Debugging 59.5. Active Tooling Information 59.6. Frame Boundary Appendix A: Vulkan Environment for SPIR-V Versions and Formats Capabilities

Displaying Optical Module Information

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module quality.

Obtains register information

Obtains PCI device information Obtains QPC Information Obtains AEQC information Obtains CEQC information Obtains CQC information Obtains MPT information Obtains optical module information

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

SFP optical module (Writing firmware information tutorial)

All SFP packaged fiber modules can be used for reference. After the software opens, log in. Perform the following steps: 1) Select SFP Tab. 2) Page size set to : 8 (This value is usually 8, but there are

Displaying Optical Module Information

Procedure Run the display transceiver [interface interface-type interface-number | slot slot-id] [verbose] command to view information about the optical module on a specified interface.

Displaying Optical Module Information

Context If an optical module on an interface is faulty, you can run the display commands to view information about the optical module.

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: https://www.tomor.eu
Email: info@tomor.eu
Phone: +49 69 2381 5497
Address: Am Hauptbahnhof 10, 60329 Frankfurt am Main, Germany

This document is for informational purposes only. Specifications subject to change without notice.