

Huawei optical module viewing



AI Overview

You can view Huawei optical module information using the display transceiver and display interface commands to check module type, status, DDM data, and other parameters.

Basic Commands

- View all optical modules on a device** Use the command: `display transceiver` This lists all optical ports and their modules, including type, connector, wavelength, transfer distance, and vendor information.
- View a specific optical module** Use: `display transceiver interface` Replace and with the actual interface, e.g., `GigabitEthernet 0/0/1`. This shows detailed information for that port.
- View diagnostic (DDM) information** To check real-time operating parameters such as temperature, voltage, bias current, and optical power, add the verbose parameter: `display transceiver interface verbose` This provides transmit/receive power, temperature, voltage, and current readings, which are essential for troubleshooting.
- Using Interface Commands**
 - Check interface status:** `display interface` This shows link status (UP/DOWN), module type, interface rate, and traffic statistics, helping verify if the module is functioning correctly.
 - List all interfaces briefly:** `display interface brief` Useful if you are unsure of the interface number; it lists all interfaces and their status.

Important Considerations

- Certified modules:** Huawei recommends using Huawei-certified optical modules to avoid installation issues, data bus errors, or interface damage caused by non-standard modules.
- Module types:** You can determine whether a module is single-mode or multi-mode, its wavelength, and transmission distance using the above commands.
- Troubleshooting:** DDM data helps identify low/high optical power, temperature anomalies, or voltage issues, which can indicate module faults or environmental problems. By combining `display transceiver` and `display interface` commands, you can comprehensively monitor and troubleshoot Huawei optical modules, ensuring proper operation and network reliability.

Article Content

Huawei Mate 90 Pro Max leak hints at new 10x zoom

Even though the tipster didn't disclose the name of the device, netizens began speculating it to be Huawei Mate 90 Pro Max flagship, featuring

Teach you to read the DDM information of the optical

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

Displaying Optical Module Information

When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical module quality. The functions include the installation and removal, transmit and

Displaying Optical Module Information

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

How to View Optical Module Parameters

Viewing the Hardware Description If you know the model or type of an optical module, you can view the section "Pluggable Modules for Interfaces" in the Hardware Description to look up parameters of the

Displaying Optical Module Information

What Is the Impact of Using Non-Huawei-Certified Optical Modules? Huawei-certified optical modules have been tested to the highest standards to ensure their quality. Tests include the installation and

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

Optical Module Installation and Replacement

Using other optical modules may affect service stability and Huawei can accept no liability for the outcome. Ensure that the new optical module has the same center wavelength and complies with the

Checking the Optical Module Type

When certifying an optical module, Huawei switches comprehensively verify optical module functions to ensure the optical module quality. The functions include the installation and removal, transmit and

How To View Optical Transceiver Information On Huawei Switches

We connect Moduletek SFP-10G-LR transceiver to Huawei S6700 switch, and demonstrate how to view transceiver details on Huawei switches.

Huawei Switches Viewing Optical Port Receiving and Sending

Use the command display transceiver to view the optical module information of all optical ports, and use the command display transceiver interface interface-type interface-number to view the

Huawei Optical Switch View Optical Module Commands

Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows: ... View the

Installing an Optical Module

Installing an Optical Module Context This section describes how to install an optical module. The method used to install a copper transceiver module is the same, except that the copper transceiver module

What Is an Optical Module and Its FAQs (V200)

Describes what an optical module is and FAQs, including the fundamentals, appearance and structure, key performance counters, common types, and naming conventions of optical modules, causes of

Huawei Takes Stake in InP Optical Chip Firm

As a III-V compound semiconductor material, indium phosphide offers irreplaceable performance advantages in high-frequency and

Optical Module: Typical Optical Module Troubleshooting Procedure

Optical Module: Typical Optical Module Troubleshooting Procedure Check the model of the faulty optical module. If it is not a Huawei-certified optical module, replace it with a Huawei-certified optical module.

Troubleshooting for Optical Modules on Huawei Switch

Check whether single-mode or multi-mode optical modules are used and whether the optical jumper type matches the transceiver modules. Run the display

WHAT IS AN OPTICAL MODULE AND ITS FAQS (V200)

As an important part of fiber-optic communication, an optical module is a photoelectric converter which converts electrical signals into optical signals and vice versa. An optical module works at the physical

How to view the optical module DDM information on

Subscribe 0 648 views 3 years ago View the optical module information on Huawei switches and H3C switches through the command

Huawei Launches AI-OTN and AI-FAN Solutions, Empowering

Huawei has unveiled AI-OTN and AI-FAN solutions to help operators build all-optical networks and ultimately realize the vision of "Network for AI." Also, Huawei has introduced AI

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

Optical Module: The Device Cannot Display Any Optical Module ...

Procedure Check whether the optical modules are Huawei-certified ones. If not, contact the vendor of the optical modules. If possible, remove and reinstall the optical modules to check

Optical Modules for Huawei S Series Switches

A switch must use optical or copper modules that have been certified for use on Huawei switches. Non-certified optical or copper modules cannot ensure transmission reliability and may affect service

10 Gbit/s SFP+ Optical Module

10 Gbit/s SFP+ Optical Module You can use different levels of 10 Gbit/s SFP+ optical modules only with 10 GE interfaces. The wavelength of these 10 Gbit/s SFP+ optical modules can be

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Website: <https://www.mr-security.co.za>

Email: info@mr-security.co.za

Phone: +33 1 45 23 67 81

Address: 10 Rue de la Paix, 75002 Paris, France

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