

Huawei checks optical module online duration



AI Overview

Huawei optical modules do not have a direct command to display total online duration, but their operational status and health can be monitored using diagnostic commands. Monitoring Optical Module Status Huawei switches and routers allow you to check the real-time status of optical modules using commands such as:

- `display transceiver [interface interface-type interface-number | slot slot-id]` – shows detailed information about the optical module, including type, vendor, wavelength, and digital diagnostic monitoring (DDM) data.
- `display transceiver diagnosis interface [interface-type interface-number]` – provides diagnostic information such as temperature, voltage, current, and optical power, which can help assess module health.
- `display interface` – displays port link status, transceiver type, and traffic statistics, useful for monitoring whether the module is actively online.

These commands allow network administrators to track whether a module is functioning normally and detect faults, but they do not directly report the total time the module has been online.

Alarms and Certification When a non-Huawei-certified module is installed, the switch may generate alarms after a few minutes, indicating potential compatibility issues or operational risks. Certified modules are recommended to ensure stable operation and avoid unexpected faults.

Estimating Online Duration While Huawei devices do not provide a direct "uptime" for optical modules, you can:

- Check the interface uptime using `display interface` commands, which shows how long the port has been active. If the module has been continuously installed, this can serve as an approximate online duration.
- Monitor DDM parameters over time to detect changes in temperature, voltage, or optical power, which can indicate module aging or operational stress.

Best Practices Use Huawei-certified optical modules to ensure accurate monitoring and a...

Article Content

Checking Parameter Settings of the Optical Modules

Check the parameter settings such as rate, wavelength, and transmission distance of the interconnected optical modules. Using the optical modules from the same vendor is recommended.

GPON – Basic Command OLT Huawei

Now, it's time to share about some basic Commands at OLT Huawei. Nowadays GPON Technologies have adopted to many brands Like Cisco, Alcatel Lucent / Nokia, Huawei, ZTE,

Checking the Optical Module Type

Some non-certified optical modules are not designed in compliance with EMC standards and have low anti-interference capability. Additionally, they bring electromagnetic interference to nearby devices.

Checking Whether the Optical Module Works Properly

Procedure Run the display transceiver interface interface-type interface-number verbose command to view optical module information. Check whether the local and remote optical modules work properly.

HUAWEI LUNA2000-4472 SERIES USER MANUAL

The optical modules are optional. Page 154 LUNA2000-4472 Series Smart String ESS User Manual 6 Installing Cables Figure 6-19 Connecting optical fiber cables

Typical Troubleshooting Cases of Optical Module

Use an optical power meter to check whether the receive power of the optical module is in the normal range. The receive power must be measured at the receive end of the optical fiber.

Configuring CATV on Huawei OLT | PDF

The document describes how to enable CATV service on an ONT service profile. It shows the commands used to configure the ONT service profile and enable the CATV port. It then

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

Using a Command If an optical module is installed in a running device, you can run the display transceiver command to view parameters of the optical module, including the center

How To View Optical Transceiver Information On Huawei Switches

Optical transceivers are widely applied in switches, network cards, routers and other communication devices. Checking transceiver parameters allows users to monitor real-time

What Is an Optical Module and Its FAQs (V200)

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,

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,

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 general, manufacturing, alarm, and diagnostic

Displaying Optical Module Information

If an optical module on an interface is faulty, you can run the display commands to view information about the optical module. Related Information Video Identify a Huawei-Certified Optical Module

Displaying Optical Module Information

To determine whether optical modules delivered for Huawei S switches before January 1, 2016 are certified ones, contact Huawei technical support. If your optical modules are delivered after January

Huawei Optical Module Test Procedure

The purpose is to ensure that the optical modules we deliver do not have compatibility problems. We will test each batch of optical modules to avoid compatibility problems of switch to the greatest extent.

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Taking the Huawei 5700 series switches as an example, the commands to view optical module information are as follows: Check whether the transmit optical power and receive optical power of the

Troubleshooting for Optical Modules on Huawei Switch

Check whether the fiber length between the two ports is within the maximum transmission range of the optical modules on the ports.

How Do I Query the Optical Power of an Interface?

You can run the display interface [interface-type interface-number | slot slot-id] transceiver verbose command to check the optical power of interfaces. ... When the receive or

Checking Whether the Optical Fiber and Optical Module Match

Procedure Check the optical module type. Generally, an optical module has a label attached, identifying the rate, center wavelength, and mode (single-mode or multimode) of the optical module, as shown

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

This page provides a guide on checking the transmit and receive optical power of an optical module for Huawei devices.

Optical Module Solutions for Huawei S5700/S5720 Series Switches

This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.

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

GPON – Basic Command OLT Huawei

Nowadays, many people so familiar about GPON. GPON is a next generation for Broadband Technologies from copper into optical connection. so GPON is better from previous

Checking Whether the Optical Module Type is Correct

If an optical module with a long transmission distance is used for short-distance transmission, the optical interface cannot go Up because the transmit power is too high.

Contact Us

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