How to check the optical ports on a Huawei switch

AI Overview

Use the display transceiver and display interface commands to view optical module information, diagnostics, and power levels on Huawei switches.Viewing Optical Module InformationTo check the optical port on a Huawei switch, you can use the following commands:Display all optical modules: display transceiver This command lists all optical ports and their module types, connector types, wavelengths, transfer distances, and vendor information .Display a specific optical port: display transceiver interface Replace and with the actual interface, e.g., GigabitEthernet 0/0/1. This shows detailed information for that port, including digital diagnostic monitoring (DMM) data, vendor, serial number, and manufacturing date .Verbose output for power and diagnostics: display transceiver [interface] verbose This provides receive (RX) and transmit (TX) power levels, voltage, bias current, and alarm thresholds. If the current power is within the limits, the optical module is functioning correctly; otherwise, alarms indicate too high or too low optical power .Diagnostic check: display transceiver diagnosis interface This command provides diagnostic parameters to help identify faults in the optical module .Checking Interface StatusInterface overview: display interface brief Lists all interfaces with their link status (UP/DOWN), speed, and traffic statistics. A link must be UP for normal optical module operation .Detailed interface check: display interface Shows interface rate, module type, link status, and traffic statistics, which can help troubleshoot connectivity issues .Troubleshooting TipsVerify module certification: Always use Huawei-certified optical modules. Non-certified modules may not be recognized, can cause data bus errors, or damage the interface due to nonstandard sizes .Check optical power: Use the verbose command or an optical power meter to ensure RX and TX power are within...

Article Content

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

The Ultimate Guide to SFP Modules (2026): Types,

Confused by SFP vs SFP+? Read the definitive 2026 guide on SFP modules. We explain Single Mode vs Multimode, DDM diagnostics, and how to choose the

Huawei S3700, S5700 and S6700 Firmware & Software Download-Huawei

S3700& S5700& S6700 Series: Access the latest firmware, download and update.

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

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

Huawei OLT PON Port Licensing FAQ: Expert Answers to Network ...

The primary command to verify PON port status on Huawei OLTs is display port info. This command provides critical operational data, including whether the ONU auto-discovery feature is enabled

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,

Understanding Optical Modules: Types and

Confirm whether the optical module on the Down port is certified by Huawei Data Center switches. CE series switches must use Huawei Data Center switch

Troubleshooting for Optical Modules on Huawei Switch

If the transmit power remains low, replace the optical module or install it in another optical port to check whether it is faulty. If the optical module is faulty, send it ...

Cisco SFP vs GBIC vs XFP vs SFP+: The Practical

An optical transceiver is a modular component that converts electrical signals into optical signals (and vice versa). Installed in switch or router ports,

How To Check If Interconnected Optical Ports Cannot Go Up?

Run the display device command to check the switch model. Different optical interfaces may support different types of optical modules. The selected optical modules must ...

Network Cards, Adapters, and NICs Explained: Types

A: Check PCIe slot, cable quality, driver settings, and upstream switch port. Q12: What about fanless vs active cooled NICs? A: High-speed

CloudEngine S5700 Series Switches Hardware Description (V600)

CloudEngine S5700 Series Switches Hardware Description (V600) About This Document Using the Info-Finder Version Requirements for Components

9 Query Commands for Huawei Switches

This article will introduce in detail the nine query commands of Huawei switches to help you quickly understand the operating status and configuration information of the device, so as to

Huawei S3700, S5700 and S6700 Switches Support Guide, Manuals

S3700& S5700& S6700 Series: Access product manuals, HedEx documents, product images and visio stencils.

Displaying Optical Module Information

What Is the Impact of Using Non-Huawei-Certified Switch Optical Modules? When certifying an optical module, Huawei comprehensively verifies the functions of the optical module to ensure the optical

Troubleshooting S Series Switch Port and Interface Problems

When connecting two devices, check whether optical modules match optical interfaces, whether optical modules match fiber models, and whether optical modules and fibers are connected correctly.

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

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

Ethernet Switch Port Types Explained 2026: RJ45,

A complete engineering guide to Ethernet switch port types: RJ45, SFP, SFP+, SFP28, QSFP+, QSFP28, Combo, Stack, PoE, access/trunk/hybrid

Huawei EchoLife HG8120 series Quick Start Manual

Can I connect a landline phone to the Huawei HG8120 for VoIP services? Yes, the Huawei HG8120 series has 1 POTS port, which allows you to connect a landline

Huawei CX9 Price

The Best Huawei Products Price List Checking Tool ICT–Router, Switch, Optical Transmission & Access Network

SFP vs SFP+ vs QSFP28 vs QSFP-DD: 2026 Optical

SFP vs SFP+ vs QSFP28 vs QSFP-DD: Master optical transceiver selection for 1G to 800G AI networks with our lab-verified guide.

How Do I Check the Interface or Port Status?

You can run the display logbuffer command in any view to check interface logs. For example, if the following log information of the IFNET module is displayed, interfaces GigabitEthernet1/0/1 and

Displaying Optical Module Information

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

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Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

Optical Module Troubleshooting

Check whether an optical module that is certified for Huawei data center switches is installed on the optical interface. The CE series switches must use optical modules that are certified

Contact Us

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