

How to check the optical module speed using Huijue

Article Overview

You can check the speed of a Huawei optical module using the display transceiver or display interface commands in the CLI.

Using the CLI to Check Module Speed

o Display Transceiver Information

o Run the command: `display transceiver interface` This command shows detailed information about the optical module installed on a specific interface, including its supported speed, type, vendor, wavelength, and DDM parameters such as temperature, voltage, and optical power .

o Example: `display transceiver interface xgigabitethernet0/0/2 verbose` This will display all relevant details for the module on port 0/0/2, including whether the module is compatible with the interface speed.

o Check Interface Status

o Use the command: `display interface` This shows the administrative and operational status of the port. If the interface speed is mismatched with the optical module (e.g., a 10G module on a 1G interface), the port may not come up or may show errors .

o Look for fields like Actual Cfg or Neg to confirm the negotiated speed between the module and the switch.

o Verify Module Compatibility

o Ensure the optical module is Huawei-certified. Non-certified modules may not report speed correctly or may be limited in functionality .

o Avoid using a module with a higher rate than the interface supports, as this can prevent the port from establishing a link .

o Optional Diagnostics

o For deeper analysis, run: `display transceiver diagnosis interface` This provides digital diagnostic monitoring (DDM) data, which can help verify that the module is operating within normal parameters and confirm its speed indirectly through signal quality and link status .

Summary

To check the optical module speed on Huawei devices:

o Use `display transceiver` for module details and speed.

o Use `display interface` to confirm the port's operational speed.

o Ensure module compatibility with the interface to avoid mismatches.

o Optionally, use `display transceiver diagnosis` for detailed diagnostics and DDM monitoring. Following these

How to check the optical module speed using Huijue

steps ensures accurate verification of optical module speed and proper operation on Huawei switches .

How Do I Query the Optical Power of an Interface? You can run the display interface [interface-type interface-number

This function is useful for viewing detailed information about SFP optical modules, including speed, serial number, part

If an optical module is installed in a running switch, you can run the display transceiver command to view parameters of the optical

Hello friends,Welcome to Technical HakimIn this tutorial, we will learn how to verify port

When this optical module uses OM3 multimode optical fibers, its transmission distance is 0.3 km. The optical modules used on both

Check whether the distance between the two devices exceeds the maximum transmission distance of the remote optical module. If

Network arg1 arg3 optical module transmission speed does not match the speed supported by the NIC. This alarm is

Optical modules are commonly used in switches, network cards, routers and other communications equipment, in the

When an optical module is deployed on a switch, it is necessary to read its internal information to monitor the operating

Check whether the local and remote devices use optical modules of the same type but from different vendors. If the connected

If you know the model or type of an optical module, you can view the section "Pluggable Modules for Interfaces" in the Hardware

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

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

How to check the optical module speed using Huijue

information

Optical Module Solutions for Huawei S5700/S5720 Series Switches This article summarizes several solutions for using optical

To ensure the performance and reliability of such modules, systematic testing solutions and high-precision instruments must be

Tech Talk - View the Optical Module Status on a Switch with CLI In this edition of Cisco Tech Talk, I'll show you how to view the

Web: <https://in-au.co.za>

