How to check the optical port on a Huijue switch

AI Overview

You can check the transmit (TX) and receive (RX) optical power of Huawei switch ports using the display transceiver or display interface transceiver verbose commands.Viewing Optical Module InformationTo check the optical module on a specific port:Run the command: display transceiver interface This shows details such as transceiver type, connector type, wavelength, transfer distance, vendor, and serial number .To view all optical ports on the switch: display transceiver This lists the optical module information for every port .Checking TX and RX Optical PowerFor detailed transmit and receive power:Use the verbose option: display transceiver interface verbose or display interface transceiver verbose The output includes:Current RX Power (dBm) – the received optical powerCurrent TX Power (dBm) – the transmitted optical powerTemperature, voltage, and bias current of the moduleHigh and low thresholds for RX and TX power Example output snippet:CodeCopyCurrent RX Power (dBm): -3.07Current TX Power (dBm): -2.64Default RX Power High Threshold (dBm): 2.50Default RX Power Low Threshold (dBm): -12.70Default TX Power High Threshold (dBm): 1.00Default TX Power Low Threshold (dBm): -9.50 Additional TipsEnsure that both local and remote optical modules have the same wavelength to avoid link issues .If optical power is too low or too high, check fiber connections, clean connectors, or replace faulty modules .Prefer Huawei-certified optical modules to prevent compatibility and data bus issues .You can also use display interface to check port link status, traffic statistics, and transceiver working status . By using these commands, you can effectively monitor the optical power and health of your Huawei switch ports, helping to maintain stable network performance.

Article Content

Displaying Optical Module Information

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

How Do I Check the Interface or Port Status?

Checking Service Interface Indicators to Determine the Interface Status Observe service interface indicators to quickly identify the service interface status. The following uses the S6730-H48X6C as

View the Optical Module Status on a Switch through the Command

Once the transceiver and fiber optic cable are plugged in properly in the switch optical module, you should be able to view the current information for the optical connection, which helps

How to use the optical port on a Huijue switch

To connect a fiber, align the optical connector with the optical port and gently insert the optical fiber into the port. A fiber adapter (also called a flange) is a fiber connection component. A switch must use

Checking Optical Attenuation on Huijue Optical Switches

Attenuation in optical transceivers weakens signals. Manage loss by checking cables, cleaning connectors, and using proper fiber tools. Possible causes include: The connector attenuation of the

How to use the optical port on a Huijue switch

How to use the optical port on a Huijue switch This article summarizes several solutions for using optical modules with switches and common problems encountered during usage, along with specific solutions.

How Do I Query the Optical Power of an Interface?

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

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

9 Query Commands for Huawei Switches

In order to ensure efficient operation and stability of the network, network administrators need to regularly monitor and manage the status and configuration of switches.

How To View Optical Transceiver Information On H3C Switches

We connect Moduletek QSFP-40G-LR4 transceiver to H3C S6820 switch, and demonstrate how to view port status and transceiver details on H3C devices.

How to Check SFP Optical Power Levels on Cisco Switches

Learn how to monitor SFP optical power on Cisco switches, interpret Tx/Rx levels, and troubleshoot fiber link issues. Step-by-step CLI commands, model-specific guidance, and best practices included.

How To Check Port Status And Optical Transceiver Information On

When optical transceivers operate on switches, reading internal module parameters helps monitor link status, real-time transmit/receive optical power, operating temperature and other key

Checking the Optical Module Type

The selected optical modules must be supported by the optical interfaces. Check whether the optical module used on the switch is certified by Huawei switches. For the Huawei-certified optical modules,

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

Optical Module Solutions for Huawei S5700/S5720 Series Switches

When using switches, we may encounter many confusions, such as what types of optical modules are needed for different models of Huawei switches, and how to resolve issues encountered

How to View Optical Module Status on a Cisco Switch

In this Cisco Tech Talk, learn how to view the optical module status on a Cisco switch using the Command Line Interface (CLI). This video

How To View Port Status And Optical Transceiver

We have shared transceiver query methods for mainstream switches such as Huawei, H3C and Cisco. Fortinet switches use distinctive CLI

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

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 Port Status And Optical Module

Reading internal transceiver data helps monitor link status, optical power, temperature and coding compatibility between modules and switches. We

How to Know Optical Power SFP-Detail Link-Details & Port ...

Hello friends,Welcome to Technical HakimIn this tutorial, we will learn how to verify port type, speed, link status, port optical rx and tx optics power, sfp...

Checking TX / RX optical power for Huawei Switches and Routers

Here is an example on how to query or display optical power of an interface in a Huawei Router. This is tested using NetEngine40E Universal Service Router or NE40E running version 8.x OS.

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 ...

How to use the optical port on a Huijue switch

If an optical module is installed in a running switch, you can run the display transceiver command to view parameters of the optical module, including the center wavelength, transmission distance, fiber types

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

Contact Us

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