Huijue Switch Identifies Optical Module



Overview

Where are the optical modules in the Huijue switchA switch must use optical or copper modules that have been certified for use on Huawei switches. Non-cert.

Key Takeaways

Huijue switches identify optical modules using built-in recognition and diagnostic commands, with certified modules ensuring reliable operation and accurate monitoring.

Module Identification and Certification

Huijue switches, like Huawei switches, require certified optical modules to guarantee transmission reliability and service stability. Non-certified modules may not be fully recognized, can trigger alarms, or cause data bus abnormalities, and the switch may not display accurate module information. Certified modules undergo verification for pluggable authentication, optical power, signal quality, fault tolerance, compatibility, EMC, and environmental performance.

Checking Optical Module Information

To determine whether a module is identified by the switch and to view its operational parameters, you can use the following commands: Display all transceivers: display transceiver This shows information for all optical ports, including transceiver type, connector type, wavelength, transfer distance, digital diagnostic monitoring (DDM) status, vendor, serial number, and manufacturing date. Display a specific interface module: display transceiver interface This command provides detailed information for a specific port, including receive and transmit power, temperature, voltage, and bias current. Adding the verbose parameter gives more detailed diagnostic data.

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Check interface status: display interface This command shows link status, interface rate, module type, and traffic statistics, which helps troubleshoot link abnormalities.

Key Parameters Displayed

When a module is recognized, the switch can display: Transceiver Type (e.g., 1000_BASE_SX_SFP)Connector Type (e.g., LC)Wavelength (nm)Transfer Distance (m)Digital Diagnostic Monitoring (DDM): Yes/NoVendor Name and Part NumberSerial Number and Manufacturing DateTemperature, Voltage, and Bias Current Best PracticesAlways use Huijue-certified optical modules to ensure accurate identification and stable operation. Avoid non-certified modules, as they may cause alarms, interface damage, or unreliable readings. Regularly monitor module DDM information to detect abnormal temperature, voltage, or optical power levels early.

By following these steps, you can reliably identify and monitor optical modules on Huijue switches, ensuring network stability and accurate diagnostics.

Article Content

Where are the optical modules in the Huijue switch

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

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

Huijue Huawei optical module compatibility

To determine whether optical modules delivered for Huawei switches before July 1, 2013 are certified ones, contact Huawei technical support. If your optical modules are delivered after July 1, 2013, use ...

Fundamentals of an Optical Module

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 use the optical port on a Huijue switch

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,

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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 ...

Checking Optical Attenuation on Huijue Optical Switches

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

Can Huijue switches use Huawei optical modules

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

Common Non-Certified Optical Module Alarm Messages For Switches

The detection content includes the module manufacturer name, model number, serial number, and customized data segments (plain text or dynamic encrypted information), to identify

Where are the optical modules in the Huijue switch

The switch must have optical modules certified for Huawei switches installed. Optical modules that are not certified for Huawei switches cannot ensure transmission reliability and may affect service

Optical Module Application: Common Problems & Troubleshooting

Most switch brands have specific compatibility requirements, especially when using third-party optical modules. First verify that the module is compatible with your switch. You can confirm

How to Identify Huawei-Certified Switch Optical Modules

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

Troubleshooting for Optical Modules on Huawei Switch

Many friends feedback that one problems occurred when using optical modules on switches, now we are providing the troubleshooting for the typical issues. All firmware should be provided by the client and

Huijue Switch Display Optical Module

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View the general, manufacturing, alarm, and diagnostic information of the specified port optical module. Table 1 Description of the output information of the display transceiver command. A switch must use

How to identify the switch corresponding to the optical module

Recently, many buyers asked the questions about the module compatible with HUAWEI switches, maybe lots of salesman will encounter many such problems. Today, I carefully read the HUAWEI''s

How To Read Optical Module Information On Ruijie Switches

When an optical module is deployed on a switch, it is necessary to read its internal information to monitor the operating status, such as link connection state, real-time optical power,

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African project coordination: Umhlanga Ridge, Durban, KwaZulu-Natal, South Africa

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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