

Article Overview

Huijue switches may only recognize SWWN modules because they require certified optical transceivers for proper operation.

Module Compatibility and Certification

Huijue switches, similar to Huawei S series switches, often require certified optical modules to ensure reliable transmission and service stability. Non-certified modules may not be recognized or may trigger alarms, even if they physically fit the port . Certification ensures that the module meets electrical, optical, and EMC standards, and that its register values are compatible with the switch's firmware .

Common Causes of Recognition Issues

- o Non-certified Optical Modules: If the module is not SWWN or another certified type, the switch may fail to recognize it or report it as non-certified .
- o Software Version: Certain firmware versions (e.g., V200R001 or later) enforce stricter recognition rules for optical modules. Older or non-encrypted modules may trigger alarms or fail to be recognized .
- o Configuration Mismatch: Interface settings such as auto-negotiation, rate, or duplex may prevent the port from coming up even if the module is physically compatible .
- o Hardware or Environmental Issues: Faulty ports, contaminated optical bores, or improper fiber connections can also cause recognition failures .

Troubleshooting Steps

- o Verify Module Certification: Check if the optical module is certified for Huijue/Huawei switches. Certified modules usually have the manufacturer name and certification label. You can also contact technical support to confirm certification .
- o Check Port and Interface Status: Use commands similar to `display interface GigabitEthernet x/x/x` to verify the port rate, wavelength, and operational status .
- o Inspect Physical Connections: Ensure the fiber is clean, properly connected, and that the optical power is within specification using an optical power meter .
- o Update Firmware: Ensure the switch is running a firmware version compatible with the optical module. Upgrading to a later version may resolve recognition issues .
- o Replace or Test Modules: If the module is non-certified or faulty, replace it with a certified SWWN module. Loopback tests or testing with another certified module can help isolate the problem .

Recommendation

To resolve the recognition issue, use only SWWN or other certified optical modules for Huijue switches.



Huijue fiber optic switch only recognizes SWWN

Avoid non-certified modules, as they may not be recognized or could cause service instability. If problems persist after verifying certification and configuration, contact Huijue technical support for further assistance.

So I am having a problem trying to get my windows machine to talk to my switch connected via LC-LC fiber

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We have a pair of MDS 9132T FC Switches and we are trying to find where to enable SNMP so that we can add monitoring of ports

Optical fiber sensors present several advantages in relation to other types of sensors. These advantages are

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal choice for

When the transmit/receive power of the optical ports is too high, optical modules on the ports may be damaged. In this case, connect

Multi mode. And 1000Base SX is multi mode.. They of course have in the title SMF for single mode fiber, Im pretty sure that is wrong.

To enforce fabric binding, configure the switch world wide name (sWWN) to specify the xE port connection for each switch.

Introduction: Why Optical Transceiver Reliability Is Critical As core components in high-speed data networks, optical

Cisco Nexus 5500 Series NX-OS SAN Switching Configuration Guide, Release 7.x

The configuration and verification commands for the fabric binding feature are only available when fabric binding is enabled on a

The optical switch consists of the all fiber optic switch device and corresponding driver packaged in a rack-mountable enclosure. The

If possible, remove and reinstall the optical modules to check whether the fault is rectified. Check whether the information is

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You cannot activate the fabric binding database on the switch if entries existing in the config database conflict with the current state

View results and find detailed configuration guide for huijue ds fiber optic switches datasheets and circuit and application notes in pdf

It's always important to ensure that the fiber optic modules are compatible with the Cisco switch to avoid

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