

Can I view optical module information if the port is down



Article Overview

If an optical module is recognized but the port remains down, the issue is often related to compatibility, fiber mismatch, optical power levels, or port configuration.

Common Causes

- **Module Compatibility:** Even if the device recognizes the module, it may not be fully compatible with the switch or router, especially third-party modules. Incompatible modules can prevent the port from coming up or cause incorrect module information to display .
- **Fiber Type Mismatch:** Single-mode modules require single-mode fiber (typically yellow), and multi-mode modules require multi-mode fiber (orange or aqua). Using the wrong fiber type can prevent the link from establishing .
- **Optical Power Issues:** If the received optical power is below the module's sensitivity threshold or the transmit power is too low or too high, the port may remain down. This can result from dirty connectors, damaged cables, or aging modules .
- **Port Configuration:** Mismatched speed, duplex settings, or auto-negotiation issues can prevent the port from coming up. Ensuring both ends of the link have compatible settings is essential .
- **Port or Module Faults:** Hardware issues such as a faulty optical module, port, or transceiver laser can cause the port to stay down even if the module is recognized .

Troubleshooting Steps

Article Content

How To View Port Status And Optical Module Information On Juniper ...

It displays port information, including interface speed, physical link status (Physical link Up means normal transceiver

Checking the Receive and Transmit Optical Power

If they are damaged, replace them. If the receive optical power is high (Current RX Power has a larger value than Default RX Power

Optical Link Failure Troubleshooting: Switch-to-Switch (SMF/MMF)

Execute the command "display interface transceiver verbose" to view the diagnostic information of the optical module

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

Monitoring Interfaces and Transceivers Using ethtool

Monitor Switch Port SFP/QSFP Hardware Information Using ethtool To see hardware capabilities and measurement information on

How To View Optical Transceiver Information On Huawei Switches

It displays port rate, transceiver type, link status (UP indicates normal link) and traffic statistics for fault analysis. Note:

Typical Troubleshooting Cases of Optical Module

Check whether the information is consistent with the optical module specifications provided in the product documentation. (For

Displaying Optical Module Information

Run the display transceiver interface interface-type interface-number command to view information about a specified optical module.

Cisco SFP Commands Cheat Sheet: Check Status & Troubleshoot

Learn how to check SFP module health on Cisco switches. This guide covers essential CLI commands (show inventory, DOM), fixes

Displaying Optical Module Information

Displaying Optical Module Information Context When the optical module on an interface is faulty, you can run the display commands

Displaying Optical Module Information

Displaying Optical Module Information You can use the display commands to view information about the optical module on an

Contact Us

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