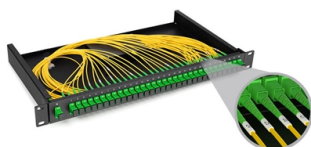


Viewing the optical port configuration of Huijue switch



Overview

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.

Key Takeaways

Huijue switches with optical ports can be configured similarly to Huawei hybrid optical/electrical switches, using commands to enable optical mode, monitor transceivers, and manage PoE over hybrid cables. Optical Port Modes

Many modern switches, including Huijue models, support optical/electrical combo interfaces. These interfaces allow either the optical port or the electrical port to be active, but not both simultaneously. To configure the optical port:

- Enter the interface configuration mode for the desired port.
- Use a command similar to `combo enable fiber` to switch the interface to optical mode.
- To revert to electrical mode, use `undo combo enable fiber`.
- Ensure the peer device is configured to match the optical/electrical mode for proper link establishment.

Hybrid Optical/Electrical Cable Setup

For scenarios where PoE is required for APs:

- Connect the RJ45 electrical port of the hybrid cable to the switch to provide PoE power only.
- Connect the optical fiber to the 10GE optical port for data transmission.
- If the electrical port remains down, configure the optical port as a proxy for LLDP negotiation using a command like `poe lldp-proxy`.
- Enable LLDP on the optical port to allow the switch to negotiate power capabilities with the AP.
- For PoE++ devices, run a compatibility check command such as `poe legacy enable` on the optical port .

Monitoring Optical Ports

To verify optical port status and transceiver information:

- Use a command like `display transceiver` to view all optical modules.
- For a specific port, use `display transceiver interface interface-type interface-number`.
- Include the verbose parameter to see receive/transmit power, temperature, voltage, and bias current.
- This helps ensure the optical module is operating within safe parameters and supports the required data rate .

Best Practices

- Always match the optical module type (e.g., 1000BASE-LX, SFP+) with the switch port capabilities.
- Confirm that the optical fiber type (single-mode or multi-mode) and wavelength are compatible with the connected device.
- For hybrid setups, ensure PoE power requirements of APs are supported by the switch and properly negotiated via LLDP.
- Regularly monitor optical port diagnostics to prevent link failures due to temperature or voltage issues . By following these steps, Huijue switches can be effectively configured for optical data transmission, PoE delivery, and hybrid optical/electrical deployments, ensuring reliable connectivity for APs and uplinks.

Article Content

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View the Optical Module Status on a Switch through the Command

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How To View Port Status And Optical Module Information On Extreme Switches

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The ODN is passive, which means that no optical amplifier or regenerator will be deployed on the ODN, reducing the maintenance

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

Huijue Switch Optical Port Con Datasheet, Pdf

The optical port of the Huijue switch is always lit Access the interface view and run the undo shutdown command. If a message is

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

How to View Optical Module Parameters

Viewing the Hardware Description If you know the model or type of an optical module, you can view the section

View the Optical Module Status on a Switch

This article provides instructions on how to view the Optical Module Status on your switch.

Huawei Switch Configuration Tutorial Basic

Huawei Switch Configuration Tutorial: System-View sysname Switch-1 | user-interface vty 0 4 | set authentication

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