

Configure the optical port of the Huijue PoE switch



Overview

Following these steps will safely open and activate the optical port on your Huawei switch, ensuring reliable optical connectivity.

Key Takeaways

To configure the optical (SFP) port on a Huijue PoE switch, connect the fiber module, ensure proper port settings, and optionally enable LLDP or PoE proxy functions for hybrid connections.

Physical Connection

- Insert the SFP module into the optical port of the switch. Ensure the module type (e.g., 1G or 10G) matches the port specification and the connected device .
- Connect the fiber optic cable to the SFP module. Use single-mode or multi-mode fiber according to the module type.
- Check indicators: The LINK/ACT LED should light up when the optical link is active, and the PoE indicator will show if the switch is supplying power to connected devices via hybrid cables .

Software Configuration

For switches that support LLDP proxy and PoE negotiation (common in hybrid optical/electrical setups):

- Access the switch CLI or web management interface.

- Enable LLDP on the optical port if it is not already active. LLDP allows the switch to negotiate power and capabilities with connected devices .

- Configure the optical port as a proxy for a MultiGE electrical port if using a hybrid cable to supply PoE to an AP. This is done using the command:

`poe lldp-proxy` This ensures the optical port can perform LLDP negotiation on behalf of the electrical port .

- Enable legacy PoE compatibility if the connected device requires PoE++:

`poe legacy enable` This allows the optical port to check and provide the required power level .

Verification

- Check port status: Ensure the LINK/ACT LED is solid or flashing, indicating active data transmission .

- Monitor PoE output: The PoE indicator should be solid if the connected device is receiving power correctly .

- Test connectivity: Ping or access the connected device to confirm the optical link is operational.

Notes

- Only certain Huijue switch models support LLDP proxy for hybrid optical/electrical connections. Verify your model's specifications before enabling these features .

- Maintain proper grounding and ventilation around the switch to prevent overheating and ensure stable operation .

- For unmanaged switches, the optical port may only require physical connection without additional configuration . By following these steps, the optical port on a Huijue PoE switch can be properly configured for both data transmission and PoE management, ensuring reliable connectivity for uplinks or hybrid AP connections.

Article Content

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Enabling the optical port of the Huijue switch

Enabling the optical port of the Huijue switch To enable a port on a Huawei switch, start by accessing the device's command-line

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

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Following these steps will safely open and activate the optical port on your Huawei switch, ensuring reliable optical connectivity.

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AI Overview To connect a fiber optic module to a Huijue switch, insert a compatible SFP/SFP+ module into the switch's fiber port and

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