

Fiber optic module connected to Huijue switch



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 connect it to the fiber optic cable, ensuring proper alignment of TX and RX ports.

Required Components

- Fiber Optic Cable:** Choose single-mode for long distances or multi-mode for shorter runs. Ensure the cable has compatible connectors (commonly LC or SC) that match the SFP module ().
- SFP/SFP+ Module:** Select a module compatible with both the Huijue switch and the fiber type. SFP supports standard speeds (1 Gbps), while SFP+ supports higher speeds (up to 10 Gbps) ().
- Optional Patch Panel or Media Converter:** If the switch lacks SFP ports, a media converter can bridge fiber to copper Ethernet ().

Step-by-Step Connection

- Check Compatibility:** Verify the Huijue switch has available SFP/SFP+ ports and that the module matches the fiber type.
- Insert the Module:** Carefully insert the SFP/SFP+ module into the switch port. These modules are usually hot-swappable, so the switch does not need to be powered down ().
- Prepare the Fiber Cable:** Remove dust caps from both the fiber cable and the module. Ensure the cable is clean and free of bends that exceed the minimum bend radius ().
- Connect TX and RX Ports:** Fiber modules have TX (transmit) and RX (receive) ports. Connect the fiber cable so that the TX of the module connects to the RX of the other device, and vice versa ().
- Secure and Test:** Once connected, secure the cable to prevent strain. Test the link using the switch's interface or a network tester to confirm connectivity ().

Additional Tips

- Use pre-terminated fiber cables to save time and reduce installation errors ().
- Avoid sharp bends and protect outdoor fiber with conduit if running outside ().
- Label cables and ports for easier troubleshooting and maintenance.

By following these steps, you can successfully connect a fiber optic module to a Huijue switch, ensurin...

Article Content

Modifying the gateway on a Huijue optical switch

Five Suns EcoEnergy & Telecom Systems (FSE) provides outdoor telecommunication cabinets, SFP optical modules, industrial switches, base station energy management, emergency communication

Small Form-factor Pluggable

Small Form-factor Pluggable connected to a pair of fiber-optic cables Small Form-factor Pluggable (SFP) is a compact, hot-pluggable network interface module

Optic Modules Datasheet

Features and Benefits The following table lists the different pluggable optic modules and supported platforms, along with the technical specifications for each.

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

How to make Huijue compatible with other 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

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Optical Modules for Huawei S Series Switches

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Huijue Fiber Optic Transceiver Corresponding Optical Module

H87MMA5671A2 Huawei GPON CLASS B+ SFP compatible module (PN:03031QHU) is fiber optic transceiver designed for operation over Single-Mode Fiber (SMF) optical cable.

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Multiple

Most modern fiber-enabled network switches require an SFP transceiver module featuring a duplex (two strand) multimode OM3 or duplex single mode OS2 connection with LC connectors.

Contact Us

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