

Wiring of Huijue Fiber Optic Switch



AI Overview

To wire a Huijue fiber optic switch, use compatible SFP/SFP+ transceivers with duplex LC fiber cables, ensuring proper send/receive alignment and secure connections.

Required Components

- Fiber Optic Cables:** Choose single-mode for long distances or multi-mode for short runs, typically with duplex LC connectors for most SFP modules.
- SFP/SFP+ Transceivers:** Insert these into the switch's SFP ports. Ensure the module matches the fiber type and network speed (1G for SFP, 10G for SFP+).
- Patch Panels (Optional):** Useful for organizing cables in larger setups.
- Media Converters (if needed):** Required if the switch lacks SFP ports.

Physical Connection Steps

- Insert SFP Modules:** Carefully insert the SFP/SFP+ transceivers into the switch ports. These are usually hot-swappable, so the switch does not need to be powered down.
- Connect Fiber Cables:** Attach the duplex LC fiber cables to the SFP modules. Ensure send (TX) on one end connects to receive (RX) on the other to maintain proper signal flow.
- Route and Protect Cables:** Avoid sharp bends; maintain the minimum bend radius specified by the cable manufacturer. If running outdoors, use conduit and bury the cable to protect it from physical damage.

Configuration

- Enable Fiber Ports:** Access the switch management interface (web GUI or CLI) and ensure the SFP ports are enabled.
- Set Port Parameters:** Configure speed, duplex mode, and flow control according to your network requirements.
- Optional Link Aggregation:** For higher bandwidth or redundancy, configure port trunking if multiple fiber links are used.

Tips

- Clean all fiber connectors before insertion to prevent signal loss.
- Label cables and ports for easier troubleshooting.
- Test the connection using a network tester or by checking link lights on the switch.

By following these steps, your Huijue fiber optic switch will be properly wired, ensuring reliable high-speed connectivity across your network.

Article Content

Connection of two core switches in Huijue

Connecting switches can be achieved through two common methods: cascading and stacking. In this guide, we will explore these two approaches and provide you with the necessary details to make an

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Huijue All-Fiber Optic Switch Configuration

The optical switch consists of the all fiber optic switch device and corresponding driver packaged in a rack-mountable enclosure. The switching is done by an external TTL compatible low voltage signal.

Huijue Fiber Optic Switch Settings

This article will give you an overview of the use cases for fiber-optic networking, some of the terms used in fiber networking, and suggestions for setting up a fiber network.

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