Huijue Optical Module Installation



Overview

The method used to install a copper transceiver module is the same, except that the copper transceiver module connects to a network cable instead of optical fibers.

Key Takeaways

Huijue optical modules should be installed carefully following standard optical module procedures, ensuring proper handling, connector cleaning, and secure insertion into compatible ports.

Preparation and Safety

Before installation, wear an ESD wrist strap or gloves to prevent electrostatic discharge damage to the optical module and connected equipment. Ensure the installation environment is clean and free of dust. Keep dust plugs on idle ports and remove them only when ready to connect the module.

Plan the cabling route and determine the number and type of ports to be connected, selecting optical fibers of appropriate mode, length, and quantity according to the module specifications.

Handling Optical Fibers

Maintain a minimum bend radius of 40 mm for optical fibers to prevent damage. Clean fiber connectors with an alcohol swab or air-laid paper in one direction before connecting. Label both ends of each fiber for identification and bundle fibers carefully, using protection pipes where necessary.

Wrap ends of protection pipes with adhesive tape to prevent fiber damage during routing.

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Installing the Huijue Optical Module

Remove dust plugs from the optical ports to be connected. Align the module correctly with the port; do not insert it backwards. For QSFP+ modules, note the top side orientation (L-shaped recess) depending on the port type.

Insert the module until you hear a click, indicating it is securely seated. For single-fiber bidirectional (BIDI) modules, ensure they are used in pairs with complementary wavelengths (e.g., SFP-10G-BXD1 with SFP-10G-BXU1) to maintain proper transmission. Integration with Huijue Energy Storage SystemsHuijue optical modules are often part of microgrid energy storage solutions, integrating photovoltaic power generation, energy storage batteries, and charging systems.

Proper optical module installation ensures reliable communication and monitoring between system components, supporting energy management, backup power, and vehicle charging applications.

Post-

Installation Checks

Verify that the module is firmly seated and that the optical link is active. Inspect fiber connections for cleanliness and proper alignment. Ensure that all unused ports are protected with dust plugs to prevent contamination.

Following these steps ensures optimal performance, long-term reliability, and safe operation of Huijue optical modules in both telecom and energy storage applications.

Article Content

Installing an Optical Module

The method used to install a copper transceiver module is the same, except that the copper transceiver module connects to a network cable instead of optical fibers. Never look directly into an optical

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 common problems encountered during usage, along with specific solutions.

Huijue Single-Core Optical Module Insertion Method

To use an SFP optical module, first confirm that the host port is SFP-type. Align the SFP module with the optical port and insert it horizontally, pressing firmly until the bottom of the module

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How to make Huijue compatible with other optical modules

You can also use the Hardware Center to query the components including optical modules supported by different switch models and the detailed specifications by part number, product model, and module type.

Huijue Optical Module Single Fiber

In optical modules, “core” refers to the light-transmitting channel in the fiber. A 1-core module uses a single fiber core for data transmission, while a 2-core module uses two cores.

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

S210 Series Switches Installing an Optical Module

This section describes how to install an optical module. The method used to install a copper transceiver module is the same, except that the copper transceiver module connects to a network cable instead

Huijue Optical Module Code

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Ruijie Optical Transceiver Hardware Installation and Reference Guide ...

Click in to download Ruijie Optical Transceiver Hardware Installation and Reference Guide (V4.1) or get more details of this document. Ruijie Networks provides this basic information for

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Installing an Optical Module

Installing an Optical Module Context This section describes how to install an optical module. The method used to install a copper transceiver module is the same, except that the copper transceiver module

Installing Optical Modules

Installing Optical Modules Context Do not look into bores of optical modules or connectors of optical fibers without eye protection. Optical modules and connected fibers emit laser radiation that can

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