Compatible with Huijue optical modules



Overview

Get the highest quality, performance-leading optical transceivers for any network architecture. Find the transceiver model to fit your network.

Key Takeaways

Huijue optical modules are generally compatible with devices that adhere to standard MSA (Multi-Source Agreement) specifications, but verification with the target switch or transceiver is recommended.

General Compatibility

Huijue optical modules are designed to comply with industry-standard form factors and protocols, such as SFP, SFP+, QSFP, and QSFP28, which are widely used in Ethernet and data center networks. This means they can potentially work with switches, routers, and servers from multiple vendors, provided the devices support standard MSA-compliant modules. Key ConsiderationsMSA Compliance: Ensure the Huijue module follows the Multi-Source Agreement standards for the specific type (e.g., 10GBASE-SR, 25GBASE-LR).

Non-MSA-compliant modules may not fit physically or electrically in some devices. Device Certification: Some switches, like Huawei S Series, require certified modules to guarantee full functionality. Using non-certified modules may result in link instability, error messages, or even hardware damage.

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Testing and Interoperability: Vendors like FS.com test optical modules with over 200 switches to ensure interoperability, checking parameters such as transmit/receive power, bit error rate, and signal stability. Similar testing is recommended for Huijue modules before deployment. Single-mode vs Multi-mode: Compatibility also depends on fiber type.

Single-mode modules require single-mode fiber, and multi-mode modules require multi-mode fiber. Using the wrong type can reduce transmission distance or cause link failure. Firmware and Vendor Lock: Some devices may display the original manufacturer name instead of Huijue.

While this does not always affect performance, it is important to verify that the module is recognized and functions correctly in the device.

Practical Steps

Check Datasheets: Review Huijue optical module datasheets for supported speeds, wavelengths, and distances. Use Compatibility Tools: Some vendors provide online tools to check module compatibility with specific switches or NICs. Lab Testing: If possible, test the module in a controlled environment to verify link stability, error rates, and performance before large-scale deployment.

Consult Technical Support: Contact Huijue or the device manufacturer to confirm compatibility, especially for high-speed or critical network deployments. By following these guidelines, Huijue optical modules can be integrated into a wide range of network devices while minimizing the risk of incompatibility or performance issues.

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Cisco Optics-to-Device Compatibility Matrix

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Cisco Optics-to-Device Compatibility Matrix Comprehensive compatibility information for Cisco optical transceivers and network devices Disclaimer: Cisco makes the data in this tool available for

Optic Modules Datasheet

datasheet is intended to guide the user through the various options available when choosing an optic module for a given platform depending on the architecture. The following table lists the different

Huijue Huawei optical module compatibility

Huawei S series devices support optical modules of the following encapsulation types: CFP, QSFP+, QSFP28, XFP, SFP, eSFP, and SFP+. All optical modules are hot swappable. eSFP: enhanced small.

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Compatible Optical Transceiver Guide

Compatible Optical Transceiver Guide People who are familiar with compatible optical transceiver know that some manufacturers will encrypt their network equipment (such as switches) which means the

How To Check The Compatibility Of Cisco Optical Modules with

When using optical modules with switches, you need to confirm the compatibility between the optical module model and the switch model to avoid compatibility failures. There are two

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Can Huijue switches use Huawei optical modules

Overview A switch must use optical or copper modules that have been certified for use on Huawei switches. This article summarizes several solutions for using optical modules with switches and

Huijue Optical Module Single Fiber

Overview This is a standard SFP optical module. 25Gbps, transmission distance up to 20 km. Huijue Group was founded in 2002, is leading Photovoltaic modules Manufacturer in China, to provide

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