

Article Overview

The Huijue switch with optical port interface is an all-optical network switch, typically featuring 48 downlink optical ports and multiple 10GE uplink ports, supporting flexible upgrades and high-performance campus or data center networking.

Key Specifications

- o Port Configuration: Most models, such as the Huawei CloudEngine S5736-S series, provide 48 downlink optical ports and four 10GE uplink optical ports by default, suitable for high-density fiber connections .
- o Port Upgrade: Downlink ports can be upgraded from 1 GE to 10 GE using Right To Use (RTU) licenses, allowing investment protection and scalability .
- o Switching Capacity: These switches offer high throughput, for example, the S5731-S48T4X model supports 336 Gbps switching capacity .
- o Form Factor: Compact design (depth ~220 mm) allows mounting on desktops, walls, or racks, with easy maintenance and prepositive power supply .

Optical Module Compatibility

- o Certified Modules: Only use Huawei-certified optical modules to ensure reliable transmission and service stability. Non-certified modules may cause link instability or damage .
- o Fiber Type Matching: Ensure single-mode fibers are paired with single-mode modules and multi-mode fibers with multi-mode modules. Mixing types can prevent connectivity .
- o Module Rate Matching: Do not use a higher-speed module than the port supports (e.g., avoid 10G modules on 1G ports) to prevent errors .
- o Monitoring: Commands like `display transceiver interface xgigabitethernet 0/0/2 verbose` allow checking optical power, wavelength, and module status .

Deployment Scenarios

- o Campus Networks: Can serve as access or aggregation switches, supporting Layer 2/Layer 3 features, multicast protocols (PIM, IGMP), and IPv6 .
- o Metropolitan Area Networks (MANs): Suitable as access switches for high-speed fiber connections.
- o Data Centers: Provides high-density optical connectivity with flexible uplink options.

Operational Considerations

- o Environmental Limits: Operating temperature and altitude affect performance; for example, above 1800 m, maximum temperature decreases by 1°C per 220 m elevation .



Huijue Switch with Optical Port

- o Reset and Maintenance: Factory reset requires holding the reset button for at least 6 seconds, which interrupts service .
- o Troubleshooting: Common issues include ports showing "Administratively DOWN" or optical power outside normal ranges; loopback tests and interface checks help diagnose problems .

Summary

The Huijue switch with optical port interface is a high-performance, flexible all-optical switch ideal for enterprise, campus, and data center networks. Its 48 optical downlink ports, 10GE uplinks, RTU upgrade capability, and certified module support make it suitable for scalable, reliable fiber deployments. Proper module selection, environmental awareness, and monitoring are essential for optimal operation.

View results and find huijue fiber optic switch 24fc all-optical ports datasheets and circuit and application notes in pdf format.

Buy premium Huijue Switch Optical Port Connector in bulk from verified wholesale suppliers and manufacturers. Best prices, bulk

All-optical Ethernet switches are a type of switch that provides optical uplink and downlink ports, making them an ideal choice for

Optical Module Solutions for Huawei S5700/S5720 Series Switches This article summarizes several solutions for using optical

Manufacturing and distribution of electrotechnical products, e.g. toggle switches, push-button switches, slide switches, dual in-line

Sell Huijue Switch Optical Port Connector in bulk to verified buyers and importers. Connect with businesses actively looking to buy

All Companies and suppliers for huijue-switch-optical-port-connector Find wholesalers and contact them directly Leading B2B

This sophisticated device offers 24 individual fiber optic ports, each capable of handling high-speed data transmission through optical

ABC Stimulo Photonics designs and manufactures fiber optic cables, optical transceivers, ODF frames, data center cabling solutions,

Huijue Switch with Optical Port

How to use the optical port on a Huijue switch This article summarizes several solutions for using optical modules with switches and

All suppliers for huijue-switch-optical-port-6 Manufacturer/Producer Find wholesalers and contact them directly B2B marketplace

19 Companies and suppliers for huijue-switch-optical-port-connector Find wholesalers and contact them directly Leading B2B

All suppliers for huijue-switch-optical-port-connector Distributor Find wholesalers and contact them directly B2B marketplace Find

Ask Alldatasheet AI for the information you need. AI instantly answers questions aboutHUIJUE SWITCH OPTICAL PORT LIG"s

Overview The Huawei SFP-10G-BXU1 is a high-performance, cost-effective SFP+ Bi-Directional (BIDI) optical transceiver module

HUI JUE SWITCH OPTICAL PORT CON Datasheet, PDF No Search Result... Many thanks for your attention. I regret to inform you

Web: <https://www.in-au.co.za>

