

Huijue Switch Optical Port Switch



AI 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

- 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.
- Port Upgrade:** Downlink ports can be upgraded from 1 GE to 10 GE using Right To Use (RTU) licenses, allowing investment protection and scalability.
- Switching Capacity:** These switches offer high throughput, for example, the S5731-S48T4X model supports 336 Gbps switching capacity.
- Form Factor:** Compact design (depth ~220 mm) allows mounting on desktops, walls, or racks, with easy maintenance and prepositive power supply.
- Optical Module Compatibility**
- Certified Modules:** Only use Huawei-certified optical modules to ensure reliable transmission and service stability. Non-certified modules may cause link instability or damage.
- 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.
- 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.
- Monitoring:** Commands like `display transceiver interface xgigabitethernet 0/0/2 verbose` allow checking optical power, wavelength, and module status.

Deployment Scenarios

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

Operational Considerations

Environmental Limits: Operating temperature and altitude affect performance; for example, above 1800...

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When the transmit/receive power of the optical ports is too high, optical modules on the ports may be damaged. In this case, connect an attenuator to the optical modules. The following uses the

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How to use the optical port on a Huijue switch

To connect a fiber, align the optical connector with the optical port and gently insert the optical fiber into the port. To remove a fiber, press the clip on the connector and pull the fiber out.

Huijue Switch Optical Port Light online manufacture

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

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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.

Contact Us

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