

Huijue Switch with 48 Optical Ports



Overview

Huawei S5735-S48J4XE-V2 Layer 3 Managed 48-Port 2.5G SFP Huawei S5735-s48j4xe-v2 Layer 3 Managed 48-port 2.5g Sfp Switch, 48*2.5ge Sfp + 4*10ge Sfp+ Ports, 2*1.

Key Takeaways

The Huijue 48-port optical switch is a high-performance all-optical switch designed for enterprise and campus networks, featuring 48 downlink optical ports and multiple 10 GE uplinks.

Key Specifications and Features

- **Port Configuration:** 48 downlink optical ports for high-density connectivity, suitable for connecting multiple devices or servers in enterprise or campus environments .
- **Uplink Options:** Typically includes 4 uplink 10 GE ports (SFP+), allowing high-speed aggregation to core switches or data center networks .
- **Switching Capacity:** Models like Huawei S5731-S48T4X offer up to 336 Gbps switching capacity, ensuring smooth data flow and low latency .
- **Layer 3 Support:** Enhanced Layer 3 features enable routing between VLANs and support for IPv6, making the switch suitable for complex network topologies .
- **Management and O&M:** Supports simplified operations and maintenance, real-time telemetry, and integration with network analyzers for proactive monitoring .
- **Deployment Scenarios:** Can be used as an access or aggregation switch in campus networks, Metropolitan Area Networks (MANs), or data center access layers .

- **Form Factor:** Compact design (depth around 220 mm) allows desktop, wall, or rack mounting, with easy maintenance and prepositive power supply .
- **Upgrade Flexibility:** Some models allow access ports to be upgraded from GE to 10 GE via Right To Use (RTU) licenses, protecting investment and future-proofing the network .

Use Cases

- **Campus Networks:** Ideal for connecting multiple endpoints in classrooms, offices, or labs.
- **Data Centers:** Suitable for top-of-rack (ToR) or edge aggregation roles in smaller or medium-scale data centers .
- **Metropolitan Networks:** Can serve as access switches in MANs, providing high-density optical connectivity.

Additional Considerations

- **Surge Protection:** Many models include robust surge protection to prevent port damage .
- **Scalability:** Managed switches allow for flexible network expansion, including PoE support in some variants .
- **Investment Protection:** RTU licenses and modular uplinks ensure the switch can adapt to future network demands without full replacement .

Overall, the Huijue 48-port optical switch is a versatile, high-density solution for enterprises and campus networks, offering strong Layer 3 capabilities, flexible deployment, and future-proof upgrade options.

Article Content

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How To Use The Optical Port On A Huijue Switch

Simply connect your IP cameras to the PoE switch, link the switch to your router or NVR, and configure via the switch's management

Huawei 48 Port Sfp Switch Buying Guide

This article summarizes several solutions for using optical modules with switches and common problems encountered during usage,

S5700 Series Switches Hardware Description (V200)

A combo port consists of an optical Ethernet port and an electrical Ethernet port on the panel. Each combo port matches only one

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Layer 3 GE Core & Aggregation Switch RG-CS85-48SFP4XS-D Aggregation switch for small and medium

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The CloudEngine S5732-H Series Hybrid Optical-Electrical Switch is a new generation of 10 GE access

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AI-SW1552S Smart Managed 48-Port Gigabit PoE Switch Smart managed switches are developed by Hikvision, featuring easy

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RG-NBS5200-48GT4XS-UP, 48-port Gigabit Layer 3 PoE Switch, 4 SFP+ Uplink Enterprise, Hospitality, Factory, Education, Retails etc.

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48-port aggregation switch Huijue

Aggregation switch for small and medium-sized campus networks, with four 10G uplink optical ports for data transmission; 48 x

Enabling the optical port of the Huijue switch

Following these steps will safely open and activate the optical port on your Huawei switch, ensuring reliable optical connectivity.

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