Huijue Enterprise-Grade PoE Switch for Convergence and Distribution



Overview

The Huawei S5720H series represents a powerful line of gigabit switches designed for enterprise campus core and distribution networks.

Key Takeaways

Huijue enterprise-grade PoE switches deliver high-performance, multi-gigabit connectivity with advanced PoE capabilities, ideal for converged access and distribution networks. Key FeaturesHigh-Power PoE Support: These switches provide a wide range of PoE options, from standard 15 W PoE and 30 W PoE+ to 60 W PoE++ (IEEE 802. 3bt Type 3) and 90 W Hi-PoE/UPoE+ (Type 4), enabling power delivery to devices such as pan-tilt-zoom cameras, multi-radio access points, LED lighting, and mini-PC kiosks.

Port Density and Uplink Options: Models like the CloudEngine S5755-S offer 24/48 GE downlink PoE ports and 8 x 2. 5GE plus 8 x 25GE uplink optical ports, supporting high-speed aggregation and distribution. The S5720-LI series provides flexible GE access ports with 10GE uplinks, suitable for desktop-to-core connectivity.

Convergence and Distribution Capabilities: These switches support VxLAN-based campus network virtualization, enabling multiple services over a single physical network, reducing deployment and O&M costs. High-end models like the S7700 series support modular chassis with AC/DC PoE power modules up to 3000 W, ensuring reliable power for large-scale deployments. Advanced Layer 2/3 and Security Features: Enterprise-grade switches include full Layer 2/3 support, routing protocols (BGP, OSPF, MPLS), MACsec encryption on all ports, and network slicing for secure, segmented traffic.

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AI-Driven Management and Automation: Huawei's iMaster NCE-Campus AI engine monitors performance, detects rogue devices, and provides telemetry for microsecond-level loss metrics. iStack technology virtualizes multiple switches into a single logical chassis, simplifying upgrades and enabling millisecond failover. Energy Efficiency and Reliability: Dynamic PoE allocation, scheduled power policies, and hot-swappable power supplies/fans ensure energy savings and continuous operation in mission-critical environments.

Deployment Scenarios

Campus Networks: Ideal for Wi-Fi 6/6E/7 edge networks, supporting high-density APs and IoT devices. Enterprise Convergence: Combines wired and wireless access with distribution-layer aggregation.

Industrial and Mission-

Critical Sites: Redundant power supplies, hot-swappable modules, and high PoE budgets ensure uninterrupted service.

Summary

Huijue enterprise-grade PoE switches, exemplified by Huawei's CloudEngine S5755-S, S5720-LI, and S7700 series, provide high-performance, scalable, and secure solutions for convergence and distribution networks. They combine multi-gigabit connectivity, advanced PoE capabilities, Layer 2/3 routing, network virtualization, and AI-driven management, making them suitable for modern enterprise and campus deployments requiring reliability, flexibility, and energy efficiency.

Article Content

CloudEngine S5755-S Series Switches

CloudEngine S5755-S series switches are next-generation Ethernet switches developed by Huawei. They provide 24/48 x GE downlink electrical ports (PoE+/PoE++) as well as 8 x 2.5GE and 8 x 25GE

Network Switches | Huawei Enterprise

Designed for scenarios such as data centers, enterprise campuses, and enterprise private lines, making networks more simple, smart, open, and secure, as well as

Huawei S5720H Series Switch: Gigabit Core & PoE

The Huawei S5720H series represents a powerful line of gigabit switches designed for enterprise campus core and distribution networks. Based

Best Enterprise Switches 2025: Top 5 Network Switches

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This is a technical deep dive into the premier enterprise network switches defining 2025. We move beyond logos to compare the specific series

Huawei Enterprise Switches Guide 2025: Selection, Deployment, and

This guide provides IT administrators, network engineers, and enterprise procurement teams with insights on selecting, deploying, and managing Huawei enterprise switches.

12 Best PoE Switches (June 2026) Complete Guide

Choosing the right PoE switch depends on understanding your power needs, port requirements, and management preferences. This table compares all 12

How Enterprise Switches and Network Switches Enhance Modern

Enterprise switches form the backbone of IT infrastructure, ensuring seamless connectivity, optimal data flow, and enhanced security. This article will examine the three layers of

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Professional Industrial PoE Switch Manufacturer

HoweVision''s Ethernet switches provide high reliability, high bandwidth, high security, and high-quality video surveillance service solutions while making the system easy to deploy and convenient to expand.

How Enterprise Switches and Network Switches Enhance Modern

Understanding Enterprise Switches: Core, Aggregation, and Access Layers Enterprise networks typically follow a three-tier hierarchical model consisting of the core, aggregation (or

Enterprise-Grade POE Switch with Layer 3 Features wholesaler

Enterprise-Grade POE Switch with Layer 3 Features wholesaler, Achieve greater efficiency and speed with Layer 3 managed switches equipped with 10G uplink. Perfect fo r demanding environments

Ruijie Network Switches

Discover Ruijie''s advanced network switches and solutions for high-speed data centers and campus networks. Experience seamless connectivity with our innovative, energy-efficient, and cloud

12 Best PoE Switches (June 2026) Complete Guide

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Expert reviews of the top PoE switches for every budget and use case. We tested 12 models for performance, power budget, and reliability to help you choose the

Huawei Ethernet Switch & Network Switches Solutions

Thunder link offers various models of Huawei Ethernet switches and network switches, including the S5720, S6720, S6730, CE6800 and CE12800, designed for data centers and campus networks.

Campus Switches | Huawei Enterprise

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and manufacturing networks. Learn more.

Ruijie Enterprise Product Catalogue

Ruijie RG-S5750-H Switch Series is a collection of next-gen multiservice switches, offering remarkable performance and enhanced security. Implementing an industry-leading hardware design and Ruijie''s

Managerial Commercial Grade POE Switches''s Role in Shaping

The managerial commercial-grade PoE switch market is booming, driven by surging demand for high-bandwidth applications and smart building initiatives. Discover key market trends, growth forecasts

Switch Enterprise Campus 48 PoE

Enterprise-grade 48-port, Layer 3 Etherlighting™ PoE+++ switch with high-capacity 10 GbE RJ45 and 25G SFP28 connections for high availability system design.

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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