

Huawei Gigabit Layer 3 Core Switch



AI Overview

Huawei Layer 3 core gigabit switches, such as the S530, S5700, and S5735 series, offer high-performance, scalable, and feature-rich solutions for enterprise and campus networks. Key Models and Specifications

- Huawei eKitEngine S530 Series**
Offers multiple port configurations: 24 GE electrical, 24 GE optical/electrical hybrid, and 48 GE optical ports. Supports iStack, allowing multiple switches to be logically stacked into a single virtual switch for simplified management and increased scalability. Features link aggregation, VRRP, IGMP snooping, and Ethernet Ring Protection Switching (ERPS) for high reliability and fast failover. Supports Ethernet OAM (IEEE 802.3ah/802.1ag) for rapid link fault detection. Security features include 802.1X authentication, MAC-based authentication, and protection against DoS attacks and DHCP spoofing.
- Huawei S5700-LI Series**
Next-generation energy-saving gigabit switch with flexible GE access ports and 10GE uplinks. Supports Advanced Hibernation Management (AHM) and iStack for intelligent stacking and energy efficiency. Specialized battery LAN models (S5700-LI-BAT) provide uninterrupted service during power failures, ideal for access layer deployments. Designed for cost-effective, green, and easy-to-manage gigabit-to-desktop solutions.
- Huawei S5735-L48P4X-A (CloudEngine S5735-L Series)**
48x GE PoE+ ports and 4x 10GE SFP+ uplinks, supporting high-density gigabit access and core connectivity. Built on Versatile Routing Platform (VRP) with a 1000 MHz quad-core CPU, 1 GB RAM, and 512 MB flash memory. Provides 132 Mpps forwarding performance and 432 Gbit/s switching capacity, suitable for enterprise campus networks. PoE+ support up to 30W per port with a total budget of 740W, ideal for IP cameras, wireless APs, and VoIP systems. Includes 6 kV surge protection for industrial environments and supports simplified management for large-scale deployments.

Common Features Across Huawei L3 Core Switches
Layer 3 routing capabilities for inter-VLAN routing and ent...

Article Content

Huawei S5731-s32st4x: Powerful, Enterprise-ready

Built on Huawei's robust Versatile Routing Platform (VRP), it integrates powerful Layer 3 features, enhanced security, flexible stacking, and simplified maintenance.

Layer 3 Switching

In a summary, a Layer 3 switch provides high-speed Layer 3 switching through one routing process (forwarding the first packet to the CPU and creating a hardware Layer 3 forwarding entry) and

HUAWEI eKitEngine S530 Series Switches Datasheet

eKitEngine S530 series switches have two dedicated stack ports, which do not occupy service port bandwidth or require additional stack cards, making them suitable for multiple scenarios.

Huawei S5720 Series Switch: Comparison & Guide for

Modern campus and branch networks demand Gigabit speeds, Layer 3 routing, and PoE support at a predictable and manageable cost. The Huawei

Huawei Gigabit Switch Buying Guide 2024-2026

Compare Huawei gigabit switch models (S5735-L vs. S5731-S), pricing tiers (\$270-\$3,600+), PoE options, and sourcing strategies for campus and data center deployments.

S5730-SI Series Standard Gigabit Ethernet Switches

The S5730-SI series switches are next-generation standard gigabit Layer 3 Ethernet switches. They can be used as access or aggregation switches on a campus network or as access switches in a data

ITPro Today, Network Computing, IoT World Today combine

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The Ultimate Guide to High-Performance ONTs for Gigabit Internet ...

Core Architecture & Switching Logic Modern high-performance ONTs are no longer simple media converters; they are sophisticated edge-computing devices integrating advanced ASICs, Layer 2/3

S5720-SI Series Standard Gigabit Ethernet Switches

The S5720-SI series switches are standard Layer 3 Gigabit Ethernet switches that provide flexible full gigabit access and cost-effective fixed GE ports and 10GE uplink ports. The S5720-SI was

Huawei S5720 Series: Gigabit Campus and SMB Switches for

Modern campus and branch networks demand Gigabit speeds, Layer 3 routing, and PoE support at a predictable and manageable cost.

Best 10Gb Switch for SMB in 2025: Unlock Next-Gen Network

Upgrading to 10 Gigabit Ethernet (10GbE) switches is a critical step to overcome bottlenecks and future-proof SMB networks. This guide is designed for network engineers, IT

Huawei S9306 Switch Guide: Specs, EOS Date & Modern Replacements

The Huawei Quidway S9306 is a mid-range chassis in the S9300 Terabit Routing Switch series, designed for multi-service convergence in enterprise and carrier networks. However, current market

S5700-SI Series Gigabit Enterprise Switches

Product Overview The S5700-SI series are gigabit Layer 3 Ethernet switches based on new generation of high-performance hardware and Huawei Versatile Routing Platform (VRP). It provides a large

Huawei S5700-LI 24-port switch buying guide

The phrase "Huawei 24 port LI switch" primarily refers to Huawei's S5700-LI series of gigabit enterprise switches. In the 2026 market landscape, this product remains a cornerstone for energy-efficient

Buy gigabit managed switch with pwr, Good quality gigabit managed ...

LS-S5560S-52S-EI Server H3c 4 Port Gigabit Optical Manageable Layer 3 Core Switch
LS-S5120V2-28P-LI H3C 24*10/100/1000 Base-T ports 4*1GE optical web access switch H3C S5120V2-LI Gigabit

Network Switches | Huawei Enterprise

Huawei Ethernet Switches Turbocharge your enterprise network with high-performance, high-availability for resilient services and simplified management.

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

Huawei CloudEngine S6750-H Series 25GE Switches Datasheet

Introduction Huawei CloudEngine S6750-H series 25GE switches are next-generation enterprise-class core and aggregation switches that offer high performance, high reliability, cloud management, and

Huawei S5720S Switch Series: Gigabit PoE+ for SMB

Explore Huawei's S5720S switches: versatile Gigabit switches in LI and SI variants. Learn about PoE+, stacking, Layer 3, and surge protection for

Global Layer 3 Managed Switch Market Size, Industry Share, Growth ...

Layer 3 Managed Switch Market Overview 2026-2033 The Layer 3 Managed Switch Market constitutes a critical segment within the broader networking infrastructure landscape, primarily serving

Verified Supplier Huawei 48 port Switch Layer 3 Managed Switch ...

Huawei 48 port switch S5735-I48pn4xe-a-v2, ideal for network expansion, supports 24 port Ethernet switch with low price starting from \$100. Available in bulk for wholesale.

The Ultimate Guide to How ISP Can Prepare for the Multi-Gigabit Era ...

Technical Specifications To quantify the capabilities required for a multi-gigabit core, we present a representative technical specifications matrix for a carrier-grade aggregation switch designed for

HPE Aruba Networking CX switches

HPE Aruba Networking CX 6300 Switch Series Layer 3 stackable access and aggregation switches with Multi-Gigabit Ethernet, High Power PoE, and up to 100 Gigabit Ethernet

40 Gigabit Ethernet (40GbE) and 100 Gigabit Ethernet (100GbE) are groups of computer networking technologies for transmitting Ethernet frames at rates of 40 and 100 gigabits per second (Gbit/s),

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Switch H3C Server 598Gbps Box Switching Capacity S5560S-28S-EI 24 Port Gigabit H3C S5560S-28S-EI 24 Gigabit electrical port 40000 Gigabit optical port aggregation Layer 3 core switch H3C S5560S

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H3C S5560S-28S-EI 24 Gigabit electrical port 40000 Gigabit optical port aggregation Layer 3 core switch H3C S5560S-EI Series Enhanced Gigabit Switches H3C S5560S-EI Switch Series is robust

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.sphplantsales.co.za>

Email: info@sphplantsales.co.za

Phone: +27 64 827 3915

Address: Unit 9, Highveld Technopark, 43 Atlas Road, Johannesburg, 2196,
South Africa

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