

How are Huawei s core switches



Article Overview

Huawei's core switches, including the CloudEngine S12700H and S12700E series, are high-performance modular switches designed for high-end campus and data center networks, offering scalability, reliability, and advanced programmability.

Overview

Huawei's core switches are part of the CloudEngine series, designed to serve as the backbone of enterprise networks, data centers, and high-end campus networks . They provide high-density Ethernet ports ranging from GE, 10GE, 25GE, 40GE, to 100GE, supporting large-scale network deployments with simplified architecture . These switches are engineered for high availability, with redundant MPUs, power modules, and fan modules to ensure carrier-grade reliability .

Key Models

1. CloudEngine S12700H Series

- Modular core/aggregation switches for high-end campus networks, optimized for Wi-Fi 6/7 environments .
- Available in models with four or eight LPU slots, supporting ultra-high-density access ports.
- Features Clos architecture for secure data access and high system reliability.
- Supports advanced functions like slicing, M-LAG, terminal identification, unauthorized access prevention, and MACsec .
- Ideal for future-proof cloud campus networks and digital transformation initiatives...

Article Content

Aug 17, 2025

CloudEngine S12700H Series Switches

CloudEngine S12700H Series Switches CloudEngine S12700H series switches are Huawei's next-generation modular

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Huawei Ethernet Switches

Router-switch offers huawei CloudEngine, Campus and smb ethernet switches, provide high-availability, high-performance

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Why Does Your Network Need a Huawei Core Switch? Is Outdated ...

Huawei core switches, engineered for high-performance scalability, are designed to eliminate these pain points. But how exactly do

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Huawei CloudEngine S8700 Core Switches | Modular Chassis Switch

Explore Huawei CloudEngine S8700 modular chassis switches, designed for enterprise cores and data centers, these

Dec 02, 2025

Huawei Core Switch: Network's Beating Heart? Can Centralized

Traditional core switches fail catastrophically—one power supply dies, and the whole network flatlines. The Huawei core switch

Jun 30, 2026

CloudEngine Series Data Center Switches

Huawei CloudEngine series switches are high-performance cloud switches designed for next-generation data centers and high-end

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CloudEngine S16700 Series Switches | Huawei Enterprise

CloudEngine S16700 series switches are flagship core switches with record-high performance designed for

Dec 28, 2025

Campus Switches

Campus Switches Huawei S Series Switches fully accommodate metro core, aggregation, edge aggregation, and access networking

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Huawei CloudEngine S8700 Core Switches | Modular Chassis Switch

The Huawei CloudEngine S8700 Series sets a new standard for modular core switching—featuring up to 16Tbps

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Huawei S Series Quick Configuration

Small- and Mid-Sized Campus Networks This section uses the S2750 as an access switch (ACC1), S5700 as a core switch (CORE),

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Native AC Solution: Core Switches Function as the Gateway for Wired

In this example, a CSS of core switches functions as the gateway for wired and wireless users on the entire network and is

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Standalone AC Solution: Core Switches Function as the Gateway for

Aggregation switches set up stacks to implement device-level backup and increase the interface density and forwarding bandwidth.

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S6320-SI Series Multi-Gigabit Switches

Huawei S6320-SI series switches are Huawei-developed next-generation multigigabit 10GE fixed switches. The S6320-SI can

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Huawei S6730 Switch - 10GE Aggregation & Core Switches

Positioned perfectly as an Aggregation Switch or Core Switch, the S6730-H delivers scalability, security, and cost

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S1700 Series Switches

Huawei S1700 series enterprise switches provide energy-saving Fast Ethernet access for small businesses

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Ethernet Switches

Ethernet Switches After more than 20 years of unremitting efforts and stable development, Huawei provides extensive experience in

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Huawei Fixed Switches Overview

Like Cisco switch, Huawei switch is a big family that contains two product lines with different functionality: switches for

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Huawei S6700 Series Switches Product Brochure

The S6700 series switches (S6700s) are next-generation 10G box switches. The S6700 can function as an access switch in an

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2025 Core Switch Selection Guide: Avoiding Pitfalls & Model ...

This article provides an in-depth guide to core switch selection, recommending models like the Huawei S6730 Series for businesses

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S7700 Series Switches

Huawei S7700 series switches are smart routing switches with unified user management for campus networks. They support SDN

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Huawei Core Switch: Network's Beating Heart? Can Centralized

Every enterprise network has a silent dictator—the Huawei core switch. Buried in server rooms or data centers, this unassuming

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CloudEngine S5731-S Series Switches | Huawei Enterprise

Huawei CloudEngine S5731-S series standard gigabit access switches provide full-gigabit electrical ports and fixed 10 GE uplink

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Layer 2 vs Layer 3 Huawei Switches Deep Dive: Internal ASIC

Core Architecture & Switching Logic: ASIC, CPU, and the Forwarding Pipeline The fundamental difference between Layer 2 and

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Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the

Jan 27, 2026

S7700 and S9700 Chassis Switches Products Introduction V1.2

S7700& S9700 Chassis Switches Products Introduction V1.2ForewordThe S77/S97 series intelligent routing switches

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Huawei Ethernet Switch & Network Switches Solutions

Thunder link offers various models of Huawei Ethernet switches and network switches, including the S5720, S6720, S6730, CE6800

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Configuring Devices to Be Managed by the Controller (in the Hybrid ...

Context On a large or midsize campus network, switches running V600 (such as the S8700) can function as core

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