

Huawei Network Core Switches



Article Overview

Huawei's network core switches, including the CloudEngine S12700H series, deliver high-performance, modular, and reliable solutions for enterprise campuses and data centers.

Overview

Huawei offers a broad portfolio of Ethernet switches designed for core, aggregation, and access layers, supporting cloud data centers, large metro cores, and enterprise networks . Their core switches are engineered for high-density, high-speed connectivity, automation, programmability, and real-time network visibility, enabling enterprises to accelerate digital transformation and service innovation .

CloudEngine S12700H Series

The CloudEngine S12700H series is Huawei's next-generation modular core/aggregation switch for high-end campus networks, optimized for Wi-Fi 6/7 environments . Key features include:

- Modular design with 4 or 8 LPU slots for flexible expansion
 - Ultra-high-density ports: GE, 10GE, 25GE, 40GE, and 100GE full-rate access
 - Carrier-grade reliability: Redundant MPUs, power modules, and fan modules
 - Advanced features: Slicing, M-LAG, terminal identification, MACsec, and unauthorized access prevention
 - Clos architecture: Ensures secure and efficient data forwarding even under high traffic loads
- These switches are ideal for core and aggregation nodes in cloud camp...

Article Content

NetEngine 8000 Series Routers

Next-generation, full-service, intelligent routers designed to serve as enterprise WAN core, large enterprise network access nodes,

Huawei Ethernet Switches

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

Huawei CloudEngine S8700 Core Switches | Modular

I specialize in advanced network configurations, troubleshooting, and providing expert-level

Huawei S6700 Series Switches Product Brochure

As shown in the following figure, the S9700 Terabit routing switches function as core switches in a data center and use firewall and

CloudEngine S8700 Series Switches | Huawei Enterprise

CloudEngine S8700 series switches are designed for future-proof cloud campus networks to improve user experience and reduce

Enterprise Routers | Huawei Enterprise

As the industry's first enterprise-class Access Routers (ARs) designed for a Software-Defined Wide-Area Network (SD-WAN)

CloudEngine S12700H Series Switches

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

Campus Switches

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

Choosing the 2025 Best Huawei Switch: Efficient and

Discover Huawei switches that deliver high-performance, stability, and scalability for businesses of all

CloudEngine S12700E Series Switches | Huawei Enterprise

CloudEngine S12700E Series Switches CloudEngine S12700E enables wired and wireless convergence, full-stack openness, and

Campus Switches | Huawei Enterprise

Huawei campus switches offer high-performance, secure, and reliable switching for enterprises, governments, finance and

Ethernet Switches

These switches accommodate cloud data center, large metro core, aggregation, edge aggregation, and access networking

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

While traditional demarcations were rigid, modern Huawei switches, such as the CloudEngine and S-series families, offer flexible,

Huawei CloudEngine S16700 Series Flagship Core Switches Datasheet

Huawei CloudEngine S16700 Series Flagship Core Switches Datasheet Download (1.4MB)

CloudEngine 16800 Series Switches | Huawei Enterprise

CloudEngine 16800 data center switches are built for the intelligent era, offering large capacity and intelligent O& M, powered by an

The 9 Best Enterprise Network Switches for 2026

The network infrastructure is undergoing unprecedented changes. The explosion of AI/ML

Huawei Ethernet Switch & Network Switches Solutions

Thunder link offers various models of Huawei Ethernet switches and network switches, including the

Huawei Enterprise Networking

Huawei Enterprise Network offers an extensive range of switching, routing, Wireless Local Area Network

All Products and Solutions

Directory of Huawei enterprise IT infrastructure products, solutions, and services.

Huawei Network Switches

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

Huawei Core Switch: Das schlagende Herz des Netzwerks? Kann ...

Jedes Unternehmensnetzwerk hat einen stillen Diktator – den Huawei Core Switch. Versteckt in Serverräumen oder Rechenzentren

Configuring the Core Switch

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

Data Center Switches

Data Center Switches CloudEngine Data Center Switches — Ethernet switches widely used in diverse

(Video) Director Tech Talk Introduction to HUAWEI CloudEngine

Huawei CloudEngine S16700 series flagship core switches are next-generation flagship modular core switches designed for high-end

Switches

With multiple industry-leading intellectual properties and patents, Huawei provides more than a hundred

SME Network Solution Typical Configuration Examples

"Gateway + Core Switch + Aggregation Switch + Access Switch + WAC + AP + AR180" Networking: Local Entire Network

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

Switches

These switches accommodate cloud data center, large metro core, aggregation, edge aggregation, and

Huawei CloudEngine S8700 Core Switches | Modular Chassis Switch

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

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

Huawei Core Switch: Network's Beating Heart? Can Centralized Power Redefine Enterprise Scalability? Every enterprise network

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

Networking Requirements Core switches set up a CSS that functions as the core of the entire campus network to implement high

CloudEngine 12800 Series Data Center Switches

Huawei CloudEngine 12800 series switches are next-generation, high-performance core switches designed for data centers and high

Contact Us

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