

Huawei Intelligent Private Network Core Switch



Overview

Based on cutting-edge hardware and Huawei Versatile Routing Platform (VRP) software, the S5700 provides a large switching capacity, high reliability (double power slots and hardware Ethernet OAM), and high-density GE ports to accommodate 10 Gbit/s upstream transmissions. Huawei's comprehensive portfolio of products and solutions enables you to realize smooth digital transformation and rapid growth of virtualization, Big Data, and cloud services. Huawei switches already help customers achieve success in industries such as finance, Internet, retail, education. Directory of Huawei enterprise IT infrastructure products, solutions, and services. With Huawei's intelligent management and AI-driven optimization, its managed switches deliver exceptional performance, simplified control, and scalability that redefine the best managed switch experience for all types of users. "Campus Networks Typical Configuration Examples" provides typical campus network networking modes and a variety of deployment examples.



Article Content

May 08, 2026

S5700 Series Switches Product Description (V200)

This section describes the highlights of S5700 series switches. The specific functions may vary according to the switch model. You can use the Specifications Query tool to query the functions

Jan 20, 2026

Intelligent & Simplified 5G Core Network

Real-time Operation The core network automation engine integrates multiple NE functions and takes advantage of programmable workflow, data native, and AI

May 15, 2026

SME Network Solution Typical Configuration Examples

"Gateway (AR720) + Core Switch + Access Switch +AP + AR180" Networking: Huawei eKit Cloud Management "Gateway + Core Switch + Access Switch + WAC + AP" Networking: Local Entire

Apr 16, 2026

Configuring the Core Switch

Configuring the Core Switch Context In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core

Oct 20, 2025

S7700 Series Switches Product Description

With this technology, a physical network with core/aggregation switches, access switches, and APs can be virtualized into one logical switch, offering the simplest network management solution.

Oct 01, 2025

Cloud Core Network

Building on the influential white paper "Striding Towards the Intelligent World 2023" by Huawei Cloud Core Network, which outlined seven key trends in core network evolution, this white paper presents a

Jun 21, 2026

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 responsible for routing and forwarding of user services on the entire network.

Jun 20, 2026

Striding Towards the Intelligent World White Paper 2025: Cloud Core Network

Following the influential white paper Striding Towards the Intelligent World 2024 by Huawei Cloud Core Network, which identified six key trends in core network evolution, this year's publication explores

Jun 12, 2026

Ethernet Switches

With multiple industry-leading intellectual properties and patents, Huawei provides more than a hundred switch models in more than 10 series, including access,

Mar 16, 2026

Huawei S9300E Switch Product Brochures

Product Overview Huawei S9300E series (S9300E for short) terabit routing switches are next-generation high-end smart switches tailored for multiservice networks. The S9300E uses Huawei's intelligent

Jul 14, 2025

Campus Switches

Huawei S Series Switches fully accommodate metro core, aggregation, edge aggregation, and access networking requirements, and are capable of building an

Jun 03, 2026

Configuring the Core Switch

In this scenario, IP addresses of the interfaces connecting the core switch to the BRASs and firewalls and OSPF need to be configured on the core switch, so as to implement connectivity

Jul 03, 2025

Switches

These switches accommodate cloud data center, large metro core, aggregation, edge aggregation, and access networking requirements. Huawei also provides

Jul 12, 2025

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 device governs traffic flow between departments, cloud platforms, and

Sep 29, 2025

Huawei Switch Management and Performance - 2025 Best Network

Huawei combines intelligent management, high performance, and exceptional value across all network scenarios from smart homes to AI data centers. Its iMaster NCE platform delivers

Mar 27, 2026

Huawei Enterprise Switches Overview | PDF | Virtual Private Network ...

The document discusses Huawei's CloudEngine S Series campus switch portfolio, including their flagship core switches, the S16700 series, and core switches like the S12700E. It also covers the

May 08, 2026

Cloud Core Network

According to Huawei's Intelligent World 2030 report, by 2030, the number of 5G industry virtual private networks will reach one million. Furthermore, a greater number of industry scenarios place higher

Nov 07, 2025

CloudEngine S16700 Series Switches

CloudEngine S16700 series switches are flagship core switches with record-high performance designed for high-quality 10 Gbps campus networks. This series

Jan 08, 2026

All Products and Solutions

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

Aug 15, 2025

Striding Towards the Intelligent World White Paper: Cloud Core ...

In 2022, Huawei Cloud Core Network released the white paper Striding Towards the Intelligent World — Cloud Core Network, which depicts eight trends of core network evolution and has exerted extensive

Nov 14, 2025

Intelligent Core Network Creates Three Entries to the

He also introduced the 5G-Advanced intelligent core network, which offers dramatic breakthroughs in capabilities. The intelligent core creates three

Jan 16, 2026

4G/5G Converged Private Core Network Solution

Core networks can keep customers' service system running reliably. Our 4G/5G Convergent Dedicated Core Network Solution harnesses the 4G/5G convergence

Aug 21, 2025

5G Compact Private Core Network Solution-Huawei Enterprise

5G Compact Private Core Network is a lightweight core network product launched for the enterprise market. It adopts a highly integrated hardware platform and integrates 4G/5G core network elements

Contact Us

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