

Enterprise H3C Core Switch



Article Overview

H3C enterprise core switches, such as the S12500 and S7500X series, deliver high-performance, scalable, and secure networking solutions for large-scale enterprise and data center environments.

Overview of H3C Core Switches

H3C offers a range of enterprise-grade core switches designed for next-generation networks, including campus networks, cloud data centers, and large-scale enterprise deployments . These switches provide high throughput, low latency, and robust Layer 2/Layer 3 functionalities, supporting multigigabit, 10GE, 25GE, 40GE, and 100GE interfaces . They are built to handle demanding workloads, virtualization, and large-scale traffic patterns while ensuring network stability and security .

Key Series and Features

S12500 Series (Data Center Core)

- Purpose: Designed for cloud services and large data centers .
- Models: S12504X-AF, S12508X-AF, S12516X-AF .
- Virtualization: Supports MDC (Multitenant Device Context) to virtualize a single switch into multiple logical switches, maximizing utilization and isolating services .
- High Availability: IRF2 technology allows up to two switches to operate as a single logical fabric, providing hot standby and non-stop forwarding .
- Advanced Protocols: Supports VXLAN, FCoE, and MP-BGP EVPN, enabling scalable Layer 2 connectivity over Layer 3 networks and efficient traffic distribution

Article Content

Feb 08, 2026

H3C S10500X Series Multiservice Core Switch

H3C S10500X series switch is designed for the core layer of data centers and next-generation campus networks as well as the

Aug 04, 2025

Switches-H3C

H3C industrial switches can operate in -40°C - 75°C environments for a long time, and use industrial components to reach IP40

Mar 05, 2026

H3C S5850 Series Data Center Ethernet Switch

H3C S5850 series switches are data center-level high-density Ethernet switch products independently developed by H3C. The

Jan 04, 2026

H3C S10500 Series Switches

H3C S10500 Series Switches The H3C S10500 switch series is designed for the data center cloud networks, next-generation

Mar 04, 2026

H3C Switch 2026: AI-Native & Data Center Solutions

This business research report provides a comprehensive analysis of the H3C switch market, focusing on current trends,

Nov 06, 2025

H3C S7500X Enterprise Core Switch Series

The H3C S7500X series switch is designed for the next-generation enterprise core networks. It adopts modular design, uses H3C's

Mar 03, 2026

Products & Technology

Switches After over 20 years of networking innovation, research and development, H3C has accumulated

Oct 23, 2025

H3C Switches

H3C switches are categorized to provide optimal solutions for enterprise, data center, and campus networks. Whether you require

Mar 08, 2026

Switches-H3C

Switches Campus Network Switches Services integration and intelligent access H3C has been deeply engaged in the campus

Jun 10, 2026

H3C S7500E V7 Enterprise Core Switch Series

H3C S7500E V7 Enterprise Core Switch Series Overview S7500E switch series has been one of the best-selling products since it

Mar 24, 2026

The leader in digital and AI solutions-H3C-H3C

H3C is committed to becoming the most trusted partner of its customers in their quest for business innovation and digital

Jul 12, 2026

H3C S5130S-EI Series Enhanced Gigabit Access Switches

H3C S5130S-EI Series Switches – A simple (fixed power design), cost-effective and easy to deploy access switching solution with

Jul 24, 2026

All H3C Switches | Enterprise, Campus ; SMB Series

H3C switches incorporate: Smart fan control Intelligent energy management Low-power PHY design High MTBF architecture These

Aug 03, 2025

H3C S12500G-AF Data Center Intelligent Core Switch

H3C S12500G-AF is H3C's new generation of AI intelligent switches for the core scenarios of data centers, providing the industry's

Oct 06, 2025

The Ultimate Guide to Cisco vs H3C Enterprise Switches: Architecture ...

Core Architecture & Hardware Topology: The Engine Room The fundamental performance of an enterprise switch is dictated by its

Jul 11, 2026

H3C S7500X Series

Overview The H3C S7500X series switch is designed for the next-generation enterprise core networks. It adopts modular design,

Nov 10, 2025

H3C S6520X-SI Series Multi-Gigabit 10GE Switches-H3C

H3C S6520X-SI Series Switches—Industry-leading high performance and scalable 10GE access switching solution with modular

Dec 29, 2025

All H3C Switches | Enterprise, Campus & SMB Series

Explore all H3C switches: core, aggregation, and access models including S9850, S6520X, S5560X, S5130S, S1600V2, and more.

May 14, 2026

All Switches Products

Cisco has a comprehensive portfolio of network switches and switching solutions for enterprise networks,

Nov 04, 2025

H3C S7500E V7 Series

H3C S7500E V7 switch series supports hardware level encryption technology MACsec (802.1ae), which is an industry-standard

Dec 30, 2025

H3C S7503X Series Enterprise Core Switches

H3C's S7500X series switches are designed for use at the core of next-generation enterprise networks. They feature a modular

Jan 09, 2026

Profile-H3C

H3C, a leading provider of digital and AI solutions, is committed to becoming the most trusted partner for customers in their business

Nov 22, 2025

H3C S6520X-EI Series Enhanced 10GE Switches

H3C S6520X-EI Series Switches—Industry-leading high performance and scalable 10GE access switching solution developed by

Aug 29, 2025

H3C S7500X Series Enterprise Core Switch

Overview The H3C S7500X switch series is designed for the next-generation enterprise core networks. It uses H3C's proprietary

Jul 20, 2026

Switches

H3C S7500X Next Generation Enterprise Core Switch Series The H3C S7500X switch series is designed for the next-generation

Apr 30, 2026

Unlocking the Power of H3C Campus Network Core Switches

H3C's Campus Network Core Switches are engineered to serve as the backbone of large-scale networks, enabling

Sep 20, 2025

H3C S7500E V7 Series Enterprise Core Switch

H3C S7500E V7 Series Enterprise Core Switch Overview S7500E switch series has been one of the best-selling products since it

Nov 01, 2025

Network Switches | Huawei Enterprise

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

May 31, 2026

H3C S7500X Enterprise Core Switch Series

H3C S7500X Enterprise Core Switch Series Tarjeta de línea a velocidad de cable 10G/40G/100G La serie de switches H3C S7500X

Jan 23, 2026

H3C S10500X-G Series Next Generation Core Switch

H3C S10500X-G is a high-end Switch series designed for the core layer in intelligent Campuses and Data Centers.

Contact Us

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