

Article Overview

H3C network core switches are high-performance, scalable, and secure solutions designed for enterprise and data center core networks.

Overview

H3C offers a wide range of core switches tailored for modern enterprise, campus, and data center networks. These switches are engineered to deliver high throughput, low latency, and robust security, supporting large-scale deployments and complex traffic patterns . They are suitable for WAN, 5G bearer networks, and data center interconnections, providing a reliable backbone for mission-critical applications .

Key Features

- o High Port Density and Speed: Core switches like the S12500 series support up to 3072 line-speed 10G/25G ports or 768 line-speed 40G/100G/400G ports per chassis, while models like the S7503X offer extensive bandwidth for enterprise core layers .
- o Advanced Architecture: Features such as CLOS+ Multi-Plane Architecture and independent engines for control, detection, and maintenance ensure scalability and 50ms failover reliability .
- o AI-Enhanced Performance: Some models integrate AI algorithms and GPU-based computing to optimize network performance and traffic management .
- o Layer 2/3 Capabilities: H3C core switches support VXLAN, OpenFlow, SDN, and advanced L3 features, enabling intelligent segmentation and multi-tenant environments .
- o Security: Built-in security mechanisms protect against unauthorized access, spoofing, and internal misuse, ensuring enterprise-grade network protection .
- o Virtualization and Stacking: Multiple switches can operate as a single logical device, simplifying management and enabling seamless expansion .

Deployment Scenarios

H3C core switches are ideal for:

- o Enterprise Core Networks: High-performance backbone for large organizations requiring robust traffic management and security .
- o Data Centers: High-density connectivity for server access, aggregation, and spine-leaf architectures .
- o WAN and 5G Networks: Scalable solutions for carrier-grade networks and interconnection scenarios .

Popular Models



H3C Network Core Switch

- o S12500 Series: Designed for WAN, 5G, and data center interconnection with ultra-high port density and AI-enhanced performance .
- o S7503X Series: Enterprise core switch with 3 slots, 960Gbps bandwidth, and advanced security features for high-demand environments .
- o S5850 and S6800 Series: High-density Ethernet switches for modern data centers, supporting VXLAN, SDN, and multi-tenant deployments .

Management and Support

H3C switches offer centralized monitoring, intelligent diagnostics, and automated provisioning, reducing operational costs and simplifying large-scale network management . Authorized distributors provide lifetime technical support, warranty services, and global logistics, ensuring reliable deployment and maintenance . Choosing H3C core switches ensures a secure, scalable, and future-ready network fabric suitable for enterprise, campus, and data center environments .

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

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

H3C S12500R is currently the industry's leading switching router product designed for WAN, 5G bearer network and data center DCI

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

In the campus network, H3C S5590-EI series switches can be used as aggregation layer equipment, or as the core of small and

As an access device on enterprise networks, the switch can provide GE connections for desktop applications. It can also be used as

Get H3C Switches at Best Price, H3C Poe Switch, H3C 10GB Switch, H3C Layer 3 Switch, H3C SFP Switch, H3C Gigabit Switch,

The H3C S5800 core switch, however, offers a powerful arsenal for downtime resistance. Its redundant hardware architecture (dual



H3C Network Core Switch

MDC virtualizes one S9800 switch into multiple logical switches, enabling multiple services to share one core switch. The 1:N

With a focus on innovation, security, and sustainability, H3C's core switches empower educational institutions and

Integrated: Multi-service H3C campus switches integrate the multi-ability of AC, SDN, PON and Security.

Distributed Storage H3C ONEStor A new-generation software-defined storage Storage Area Network H3C

The H3C S7503X, part of the H3C S7500X switch series, is designed for next-generation enterprise core

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

H3C S7500X switch series is the first of its kinds in the industry to support wire speed performance for high density 10G/40G/100G

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

Web: <https://www.millstraining.co.za>

