Used for multiple scenario in DC, featuring network scaling,
automation, programmability and real-time visibility.
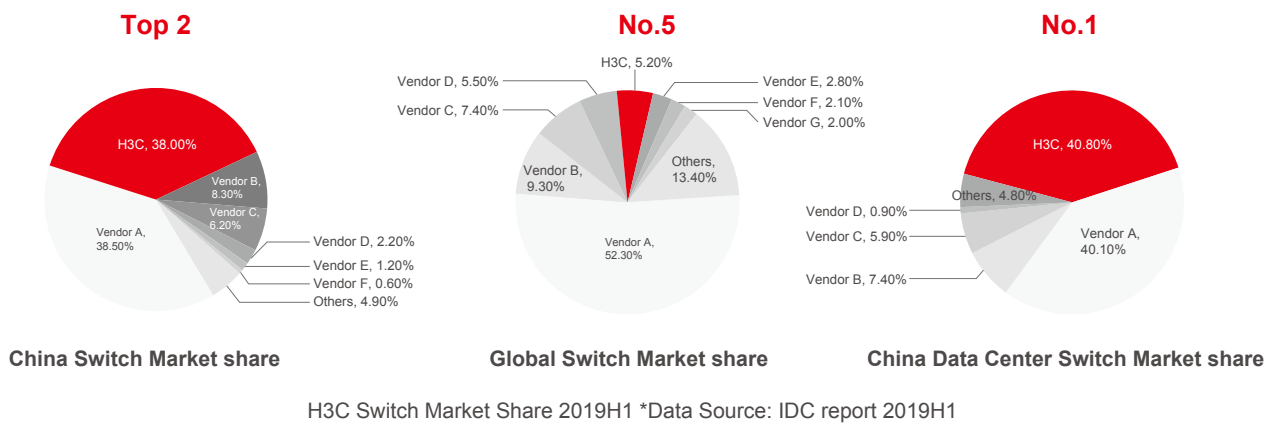
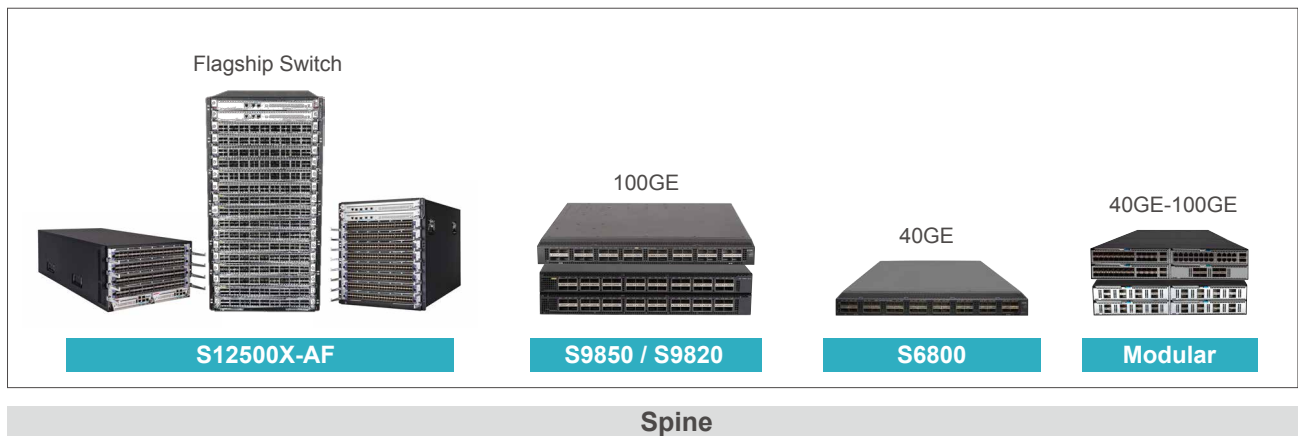# H3C Data Center Switches

Product Overview

After over 20 years of networking innovation, research and development, H3C has accumulated significant industry-leading Ethernet-related intellectual property and numerous patents. With a broad range of switch series, H3C's options can cover your data center networking needs.

For data center applications, scalability, automation, programmability, visibility form the main pillars of H3C's approach, which provides broad and automatic deployment option, open architecture and intelligent O&M.

H3C Data Center Switch Market Position

Top 2

H3C, 38.00%
Vendor A, 38.50%
Vendor B, 8.30%
Vendor C, 6.20%
Vendor D, 2.20%
Vendor E, 1.20%
Vendor F, 0.60%
Others, 4.90%

China Switch Market share

No.5

H3C, 5.20%
Vendor D, 5.50%
Vendor C, 7.40%
Vendor B, 9.30%
Vendor A, 52.30%
Vendor E, 2.80%
Vendor F, 2.10%
Vendor G, 2.00%
Others, 13.40%

Global Switch Market share

No.1

H3C, 40.80%
Others, 4.80%
Vendor D, 0.90%
Vendor C, 5.90%
Vendor B, 7.40%
Vendor A, 40.10%

China Data Center Switch Market share

H3C Switch Market Share 2019H1 *Data Source: IDC report 2019H1

Portfolio of H3C Data Center Spine Switch

Flagship Switch

100GE

40GE

40GE-100GE

| S12500X-AF | S9850 / S9820 | S6800 | Modular |

Spine

H3C Data Center Spine Switch Feature

Advanced Architecture
- 12500X-AF CLOS orthogonal and Midplane-free design.
  - High heat dissipation efficiency
  - Smoothly upgrade LPUfrom 100G to 400G
- Innovative three row port design.

High Performance
- Maximum 768*100G port in Single Chassis S12516X-AF
- Compact high density 100G box switch 9850, 9820
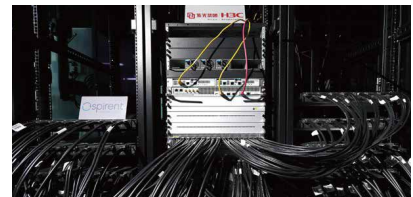- Lossless Ethernet network RoCE solution

Virtualization
- N:1 IRF Stack (Intelligent Resilient Framework).
- 1:N MDC (Multitenant Device Context).

Automation & Programmability
- SDN, Ansible,Chef, Puppet
- Openflow, Netconf, OVSDB

Spirent Communications (LSE: SPT), a leader in the Ethernet testing and assurance industry, recently announced the successful completion of a large-scale 400G validation with 72 ports of 400GE in collaboration with H3C, which has become the industry's first ever large-scale 400G test with SRv6.

H3C S12500 Data Center Switch

Portfolio of H3C Data Center Leaf Switch

10GE TOR
Premium

10GE TOR
Cost-effective

10GE TOR
Deep Buffer

10GE TOR
Visibility

25GE TOR
Visibility

10GE -25GE TOR

| S6860 | S6800 | S6809 | S6805 | S6850 | Modular |

Leaf

H3C Data Center Leaf Switch Feature

Quality
- Lossless Ethernet network RoCE solution
- PFC,ECN,ETS,DCBX, VIQ,DPP,DLB

Visibility
- Chip Visualization
- Traffic Visualization
- Buffer Visualization
- GRPC, ERSPAN, INT

Virtualization
- N:1 IRF Stack (Intelligent Resilient Framework)
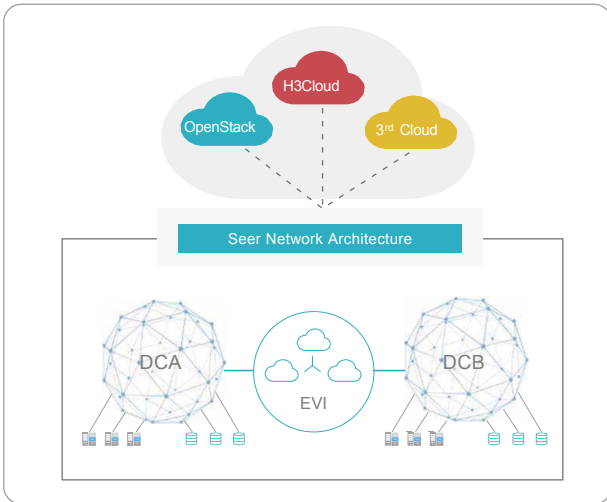- Link aggregation cross device technology DRNI

Automation & Programmability
- SDN, Ansible, Chef, Puppet
- Openflow, Netconf, OVSDB

Application-Driven Data CenterSolution

1000 + AD-DC successful cases in carrier, government, enterprise, finance and publicsector.

Automation
Network equipment plug & play.
Automated deployment and provisioning.

Granular Security
Layer 4 through Layer 7 on-demand end-to-end security protection.

Intelligent O&M
Centralized and visible operation and management.
Intelligent perception and diagnosis.

Standard & Open
Standard and flexible Spine-Leaf network architecture.
Compatible with OpenStack (K\L\M\O).

H3C Data Center Switch Summary

Large Scale DC Spine

Scenario
High density 40G/100G
High performance
Large entry for DCI

S12500X-AF

HB LPU
Mainstream,10G/40G/100G
ADDC solution recommended

HF LPU
Big entry 2M IPv4 FIB,DCI

Middle-Small Scale DC Spine

S9820-64H   S9850-32H

Scenario
High density 100G

S6850-2C   S9850-4C

Scenario
Modular Spine

S6800-32Q

Scenario
Small scale DC spine

Leaf

10G TOR

Series	Scenario
S6805	Visibility ToR
S6800	Mainstream ToR
S6860	Cost effective ToR
S6890	Deep buffer

25G TOR

Series	Scenario
S6850	25G access with Visibility feature

Modular TOR

S6800-2C   S6800-4C

Product Platform

ADDC

Comware V9   Visibility   Third-party MGM tool

INT   RoCE   DRNI
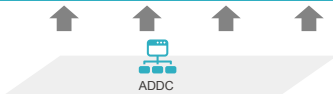
DC Solution

Open Platform
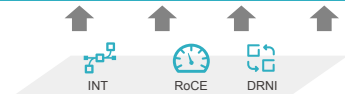
Data Center Feature

High Performance & Scalability

Superb Automation

Real-time Visibility

Plural Programmability

Contact Us

Beijing Headquarters

Address: Tower 1, LSH Center, No.8 Guangshun South Street,
Chaoyang District, Beijing, PR CHINA
Zip Code: 100102

Hangzhou Headquarters

Address: No.466 Changhe Road,
Binjiang District, Hangzhou, Zhejiang Province, PR CHINA
Zip Code: 310052

customer service hotline
400-810-0504

www.h3c.com/en/