

H3C Fiber Optic Aggregation Switch



Article Overview

H3C fiber optic aggregation switches, such as the S5560X and S6550XE-HI series, provide high-density 10G/25G/100G fiber connectivity with advanced Layer 3 routing, virtualization, and enterprise-class security for campus and data center networks.

Overview

H3C fiber optic aggregation switches are designed for medium to large-scale fiber-based access and aggregation scenarios, offering high bandwidth, flexible uplinks, and robust Layer 3 capabilities. They are ideal for campus distribution layers, enterprise core-access convergence, and fiber-rich environments .

Key Models and Features

1. H3C S5560X Series

- Port Configuration: Models like S5560X-30F-EI provide 24 × 10GE SFP+ downlinks, 4 × 25GE uplinks, and 2 × 100GE uplinks; S5560X-54F-EI offers 48 × 10GE SFP+ downlinks with the same uplink options .
 - Layer 3 Routing: Supports rich routing protocols and enterprise-class security.
 - Virtualization: VXLAN, EVPN, and IRF stacking for multi-tenant and fabric-based networking.
 - Reliability: Redundant hot-swappable PSUs and fans, fast failover, and intelligent O&M tools including Telemetry, sFlow, and automated Python-based operations.
 - Deployment: Suitable for large campus floors, high-density L2/L3 aggregation, and fiber-rich environments.
- #### 2. H3C S6550XE-HI Series...

Article Content

Sep 10, 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

Nov 08, 2025

H3C S5500S Series Switches: Scalable Access and Aggregation for

Comprising eight models across EI (Enterprise Intelligent) and SI (Standard Intelligent) variants, with options for copper, fiber, and

Jan 11, 2026

H3C S9850 Series Data Center Switches

H3C S9850 high-density intelligent series switches is developed for data centers and cloud computing networks. It provides powerful

Dec 09, 2025

Switches-H3C

Products Data Center Switches Campus Network Switches AON Network Industrial Switches Data Center Switches Ultra-wideband,

Mar 15, 2026

Aggregate docking between Cisco devices and H3C S12500 devices

Cisco devices dock with H3C S12500. Our company has two types of aggregation: dynamic aggregation and static

Feb 11, 2026

H3C S6520X-18C-SI Switch 16×10GE SFP+ Multi-Rate

Boasting 16-port 10 Gigabit optical ports supporting multi-rate transmissions from 10Mbps to 1000Mbps,

Jun 16, 2026

H3C S6530X-48Y8C Review (2026): 48×25G + 8×100G Aggregation Switch

H3C S6530X-48Y8C explained: verified specs, resiliency, telemetry via gRPC, Cloudnet management, VXLAN/EVPN, MACsec,

Nov 14, 2025

H3C Products Catalogue

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

Mar 16, 2026

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 11, 2026

H3C S6520X-HI Series

Using the switch in conjunction with H3C IMC, you can manage and monitor online users in real time and take prompt action on

May 03, 2026

H3C S7500X-G Series High-End Multiservice Routing Switch

H3C S7500X-G is a high-end multiservice routing switch series designed to deliver exceptional service convergence experience. It

Jan 30, 2026

H3C S6530X-48Y8C Review (2026): 48×25G + 8×100G Aggregation

The H3C S6530X-48Y8C is built for the most common enterprise modernization lane: dense multi-rate SFP28 access/aggregation

Sep 01, 2025

H3C S6520X-EI Series Enhanced 10GE Switches

Multichassis Link Aggregation Group (M-LAG) (Original DRNI) H3C S6520X-EI series switches support M-LAG, which enables links

Feb 20, 2026

H3C S9855 DataCenter Switches

H3C S9855 series switches are a new generation of high-performance, high-density 400GE/100GE Ethernet switches launched by

Dec 16, 2025

H3C S6520X-HI Series Advanced Aggregation 10GE

Using the switch in conjunction with H3C IMC, you can manage and monitor online users in real time and

Dec 08, 2025

H3C S6526XE-HI Series Advanced Aggregation 10GE Switches

H3C S6526XE-HI series switches Industry-leading high performance and scalable 10GE access switching solution with modular dual

Feb 10, 2026

H3C S5590 Series Switches: Future-Ready Aggregation for Evolving ...

Featuring 28 Gigabit access ports, 8 × 10GE uplinks, intelligent H3C networking technologies, and enterprise-grade reliability, the

Sep 07, 2025

H3C S6530X Series

H3C S6530X series switches provide industry-leading high performance and scalable aggregation switching solution with modular

Contact Us

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