



H3C S5136S-EI Series Enhanced Gigabit Access Switches

Product overview

H3C S5136S-EI Series Switches – A high-performance, cost-effective and easy to deploy access switching solution that offers enhanced security, high-density GE uplinks, static route, RIP, OSPF, SDN and IRF enabled, flexible management, which meet the requirements for SME access, enterprise desktop access and high-density campus access.

H3C S5136S-EI series Ethernet switches highlights:

High-performance design: Built with a dual-core CPU at 1.2 GHz, 2 GB of RAM, and 1GB of Flash, powerful hardware supports higher software features and table specifications.

Quiet design: The models named with “-Q” are fanless quiet switches which are very practical for dormitories, hotels, classrooms and other places that require extreme quietness.

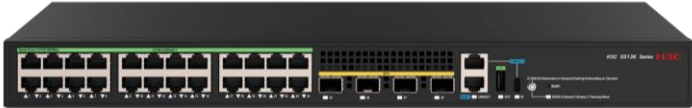
Compact design: The compact design of H3C S5136S-EI series switches provides flexible deployment for offices, classrooms, stores, etc.

Easy-to-use design: Newly added RJ45 out-of-band management port, Type-C console port, location LED(ID), reset button, and one click to cloud button make switch management and maintenance more convenient.

No additional license: There are no additional software function or subscription fees for H3C S5136S-EI series switches. Save investment and no need to maintain complex licenses.

H3C S5136S-EI series Ethernet switches include the following models:

Product Description	Product Photograph
S5136S-8T4XS-EI-Q: 8 × 10/100/1000BASE-T Ports, 2 × 1000BASE-X SFP Ports, 2 × 1G/10GBASE-X SFP+ Ports, (AC)	
S5136S-8FP4XS-EI-Q: 8 × 10/100/1000BASE-T PoE+ Ports, 2 × 1000BASE-X SFP Ports, and 2 × 1G/10GBASE-X SFP+ Ports, (AC)	
S5136S-8N2X-EI: 8 × 100/1G/2.5G BASE-T Ports and 2 × 1G/2.5G/10G BASE-X SFP+ Ports, (AC)	
S5136S-8UN2X-EI: 8 × 100/1G/2.5G BASE-T PoE++ Ports and 2 × 1G/2.5G/10G BASE-X SFP+ Ports, (AC)	
S5136S-8FP4UN4X-EI: 8 × 10/100/1G BASE-T PoE+ Ports, 4 × 100/1G/2.5G BASE-T PoE++ Ports, and 4 × 1G/2.5G/10G BASE-X SFP+ Ports, (AC)	
S5136S-10T4X-EI-Q: 10 × 10/100/1000BASE-T Ports and 4 × 1G/10GBASE-X SFP+ Ports, (AC)	
S5136S-10FPT4X-EI-Q: 8 × 10/100/1000BASE-T PoE+ Ports, 2 × 10/100/1000BASE-T Ports, and 4 × 1G/10GbASE-X SFP+ Ports, (AC)	
S5136S-16T4X-EI-Q: 16 × 10/100/1000BASE-T Ports and 4 × 1G/10GBASE-X SFP+ Ports, (AC)	

Product Description	Product Photograph
S5136S-16FP4X-EI: 16 × 10/100/1000BASE-T PoE+ Ports and 4 × 1G/10GBASE-X SFP+ Ports,(AC)	
S5136S-24T4S-EI-Q: 24 × 10/100/1000BASE-T Ports and 4 × 1000BASE-X SFP Ports,(AC)	
S5136S-24T4X-EI-Q: 24 × 10/100/1000BASE-T Ports, 4 × 1G/10GBASE-X SFP+ Ports, (AC)	
S5136S-24P4X-EI: 24 × 10/100/1000BASE-T PoE+ Ports and 4 × 1G/10GBASE-X SFP+ Ports,(AC)	
S5136S-24FP4T4S-EI: 24 × 10/100/1000BASE-T PoE+ Ports, 4 × 100/1000BASE-X SFP Ports, and 4 × 10/100/1000BASE-T Combo Ports,(AC)	
S5136S-24FP4S4X-EI: 24 × 10/100/1000BASE-T PoE+ Ports, 4 × 100/1000BASE-X SFP Combo Ports, 4 × 1G/10GBASE-X SFP+ Ports, (AC)	

Product Description	Product Photograph
S5136S-48T4S-EI-Q: 48 × 10/100/1000BASE-T Ports and 4 × 1000BASE-X SFP Ports,(AC)	
S5136S-48T4X-EI-Q: 48 × 10/100/1000BASE-T Ports and 4 × 1G/10G BASE-X SFP+ Ports,(AC)	
S5136S-48P4S-EI: 48 × 10/100/1000BASE-T PoE+ Ports and 4 × 1000BASE-X SFP Ports,(AC)	
S5136S-48P4X-EI: 48 × 10/100/1000BASE-T PoE+ Ports and 4 × 1G/10GBASE-X SFP+ Ports,(AC)	
S5136S-48FP4S-EI: 48 × 10/100/1000BASE-T PoE+ Ports and 4 × 1000BASE-X SFP Ports,(AC)	
S5136S-48FP4X-EI: 48 × 10/100/1000BASE-T PoE+ Ports, 4 × 1G/10GBASE-X SFP+ Ports, (AC)	

Product Description	Product Photograph
S5136S-24S8T4X-EI: 24 × 100/1000BASE-X SFP Ports, 8 × 10/100/1000BASE-T Combo Ports, 4 × 1G/10GBASE-X SFP+ Ports, 2 × power module slots	
S5136S-48ST4X-EI: 24 × 10/100/1000BASE-T Ports, 24 × 100/1000BASE-X SFP Ports, and 4 × 1G/10GBASE-X SFP+ Ports, Without Power Supplies	
S5136S-48S2T4X-EI: 48 × 100/1000BASE-X SFP Ports, 2 × 10/100/1000BASE-T Combo Ports, and 4 × 1G/10GBASE-X SFP+ Ports, Without Power Supplies	

Features and highlights

Software defined network (SDN)

Software Defined Network (SDN) is an innovative network architecture that simplifies network management and reduces maintenance complexity by separating network control layer and network forwarding layer through OpenFlow. More importantly, it implements flexible network flow control and provides a well-defined network platform for core network application and innovation.

H3C S5136S-EI series switches support a large network flow table. Combined with H3C AD Campus Platform, it can easily implement a two-layer network architecture and quickly add functions in existing network in order to drastically reduce network management complexity while substantially lowers network maintenance cost.

Cloud Management (Cloudnet)

H3C S5136S-EI series switches support cloud management by H3C Cloudnet. H3C Cloudnet is a H3C-proprietary

comprehensive operation management and maintenance platform. Based on H3C unified O&M cloud platform (known as U-center), It provides a light-weight and multi-service platform to manage network and a powerful O&M service for small business. It uses Kubernetes for containerized applications and a fully distributed architecture to provide management of networks, terminals, users and service enabling features. With management and monitoring of multiple network services, the platform breaks the data barriers between services caused by isolated and vertical service deployment. H3C Cloudnet supports the delivery model of public clouds and provides customers with comprehensive network solutions to meet the needs of customers from different industries and operators.

IRF2 (intelligent resilient framework 2)

H3C S5136S-EI series switches support IRF2 technology that connects multiple physical devices (up to 9) to a logical device, that is to say, users can manage and use these devices as a single device. IRF can bring the following benefits to the user:

Simplified management

Any one of the ports can be connected to any of the devices to login to a unified logical device, and to manage the whole system and all the members of the system through the configuration of a single device, without the physical connection to each member of the device.

High scalability

With IRF2, plug-n-play device aggregation can be achieved by adding one or more switches into the IRF2 stack and enabling IRF2 stacking on the new device. New devices can be managed with a single IP, and upgraded at the same time to reduce network expansion cost.

High reliability

IRF2 patented 1: N standby technology allows each slave device in the IRF2 stack to serve as the backup of the master, creating control and data link redundancy, as well as uninterrupted layer-3 forwarding. This improves the reliability, avoids unplanned business downtime and serves to improve overall performance. When the master device fails, traffic remains uninterrupted.

Load balancing

IRF2 supports cross-device link aggregation, upstream and downstream can be connected to more than one physical link, which creates another layer of network redundancy and boosts the network resource utilization.

Availability

H3C Implements IRF2 through standard Gigabit Ethernet (1GE) ports which allocates bandwidth for business and application access and reasonably splits local traffic and upstream traffic.

Comprehensive security control

H3C S5136S-EI series switches support innovative single-port triple-authentication function, the access authentication

modes supported by different clients are different. For example, some clients can only perform MAC addresses Authentication (such as the printer terminal), and some user host for 802.1X authentication, and some user hosts only want to access through the Web portal authentication. In order to flexibly adapt to the multi-authentication requirements of the network environment, H3C S5136S-EI series switches support single-port multi-authentication unified deployment.

H3C S5136S-EI series switches support SSH V2 (Secure Shell V2) to secure information security, and strong authentication protect the Ethernet network switch from attacks such as IP address spoofing and clear text interception.

ARP attack and ARP virus are major threats to LAN security, so H3C S5136S-EI series switches come with diverse ARP protection functions such as ARP Detection to challenge the legitimacy of client, validate the ARP packets, and set a speed limit for ARP to prevent ARP swarm attacks from targeting CPU.

H3C S5136S-EI series switches support EAD (End User Admission Domination) function. With the iMC (intelligent Management Centre) system, EAD integrates terminal security policies, such as anti-virus and patch update, network access control and access right control policies to form a cooperative security system. By checking, isolating, updating, managing, and monitoring access terminals, EAD changes to passive mode, single point network protection to active, comprehensive network protection, and changes separate management to centralized management, enhancing the network capability for preventing viruses, worms, and new threats.

High availability

H3C S5136S-EI series switches feature multiple redundancy measures at the device and link levels, support current and voltage surge control, overheat protection, power and fan troubleshooting and alert, as well as fan speed adjustment when the temperature changes.

Apart from device level redundancy, H3C S5136S-EI series switches also provide diverse link redundancy support such as LACP/STP/RSTP/MSTP/Smart Link protocols. It supports IRF2 and 1: N redundancy backup as well as cross-device link aggregation which substantially increases network reliability.

Abundant QoS

H3C S5136S-EI series switches support packet filtering at Layer 2 through Layer 4, and traffic classification based on source MAC addresses, destination MAC addresses, source IP addresses, destination IP addresses, TCP/UDP port numbers, protocol types, and VLANs. It supports flexible queue scheduling algorithms based on ports and queues, including strict priority (SP), weighted round Robin (WRR) and SP+WRR. H3C S5136S-EI series switches enable committed access rate (CAR) with the minimum granularity of 8 kbps. It supports port mirroring in the outbound and inbound directions, to transfer the packets on the specific ports, and to mirror the packets to the mirror port for network detection and troubleshooting.

Professional surge protection function

H3C S5136S-EI series switches use professional built-in surge protection technology and supports the industry-leading 10KV service port surge protection capability, which greatly reduces the damage rate of surge strikes to equipment even in harsh working environments.

Excellent manageability

H3C S5136S-EI series switches make switch management with ease with the support of SNMPv1/v2/v3, which can be managed by NM platforms, such as Open View and iMC. With CLI and Telnet switch management is made easier. And with SSH 2.0 encryption, switch management security is enhanced.

AI-driven PoE

H3C S5136S-EI series switches support PoE power supply and can remotely power powered devices (PDs) such as APs and cameras. In addition, H3C S5136S-EI series also integrates AI capabilities into PoE technology, allowing PoE switches to support:

Fast PoE

Typically, PIs (power interface) does not deliver power to PDs (powered device) the moment the PSE (power sourcing equipment) is powered on but wait until the PSE completes startup. Fast PoE enables PIs to deliver power to PDs within few seconds after power is supplied to the PSE.

Perpetual PoE

Perpetual PoE continuously monitors the PD states and ensures continued power supply to PDs even when the PSE device is hot rebooting.

PoE watchdog

PoE watchdog function enables the adaptive monitoring network to have a “self-healing” function. When this function is turned on, the system can automatically detect the camera 24 hours. If the camera has no stream output, it is judged that the camera is crashed. The camera is restarted by cutting off the PoE power supply to solve the camera crashed problem. No manual operation is required, which can provide timely and reliable solutions for operation and maintenance.

AI-driven PoE

Innovatively integrating AI technologies into PoE switches, H3C AI-driven PoE enables completely automated, intelligently managed, healed, and optimized PoE, bringing convenient and outstanding PoE experience to users.

Green design

H3C S5136S-EI series switches implement a variety of green energy saving features, including auto-power-down (port automatic energy saving), if the interface status has been down for a period of time, the system automatically stops the interface power and the system enters power-saving mode. They also support EEE energy feature, by which if a port

stays idle for a period of time, the system will set the port to energy-saving mode. H3C S5136S-EI series switches are also compliant with material environmental protection and the EU RoHS safety standard.

H3C S5136S-EI series switches have fanless design, include 8-port, 24-port, and 48-port switches, significantly reduce devices power consumption and noise.

Technical specifications

Hardware specifications

non-PoE models

S5136S-8T4XS-EI-Q/S5136S-8N2X-EI/S5136S-10T4X-EI-Q/S5136S-16T4X-EI-Q:

Item	S5136S-8T4XS-EI-Q	S5136S-8N2X-EI	S5136S-10T4X-EI-Q	S5136S-16T4X-EI-Q
Port switching capacity	60Gbps	80Gbps	100Gbps	112Gbps
Forwarding capacity	45Mpps	60Mpps	75Mpps	84Mpps
System switching capacity	336Gbps			
CPU	Dual Core, 1.2GHz			
SDRAM	2G			
Flash	1G			
Dimensions (H x W x D)	44 × 266 × 161 mm	44 × 266 × 161 mm	44 × 266 × 161 mm	44 × 440 × 160 mm
Weight	≤ 1.1kg	≤ 1.2 kg	≤ 1.2 kg	≤ 1.8 kg
10/100/1000/2500 Base-T port	-	8	-	-
10/100/1000 Base-T port	8	-	10	16
SFP port	2	-	-	-
SFP+ port	2	2	4	4
Latency (64byte LIFO)	≤2.1μs			
Console port	1	1	1	1
Type-C console port	1	1	1	1
Management Ethernet port	1	1	1	1
USB port	1	1	1	1
Maximum stacking bandwidth	40Gbps	40Gbps	80Gbps	80Gbps
Input voltage	Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz			
Power consumption (static)	5 W	8 W	5 W	6 W
Data collection standard: no load				

Item	S5136S-8T4XS-EI-Q	S5136S-8N2X-EI	S5136S-10T4X-EI-Q	S5136S-16T4X-EI-Q
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	8 W	12 W	16 W	13 W
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	16 W	13 W	16 W	17 W
Fan NUM	Fanless	Fanless	Fanless	Fanless
Sound pressure level at 27°C (80.6°F)	NA	NA	NA	NA
MTBF(Year)	209	163	182	142
MTTR(Hour)	1	1	1	1
Operating temperature	-5°C ~ 50°C (Normal operating temperature) -5°C ~ 45°C (When using transceiver modules with maximum transmission distance < 80km) -5°C ~ 40°C (When using transceiver modules with maximum transmission distance ≥ 80km) From -60m to 5000m altitude: From 0m, the maximum operating temperature reduce by 0.33°C for every time 100 the altitude increases by 100m.			
Storage temperature	-40°C ~ 70°C			
Operating & storage humidity	5% RH to 95% RH, non-condensing			

S5136S-24T4S-EI-Q/S5136S-24T4X-EI-Q/S5136S-48T4S-EI-Q/S5136S-48T4X-EI-Q:

Item	S5136S-24T4S-EI-Q	S5136S-24T4X-EI-Q	S5136S-48T4S-EI-Q	S5136S-48T4X-EI-Q
Port switching capacity	56Gbps	128Gbps	104Gbps	176Gbps
Forwarding capacity	42Mpps	96Mpps	78Mpps	131Mpps
System switching capacity	336Gbps			
CPU	Dual Core, 1.2GHz			
SDRAM	2G			
Flash	1G			
Dimensions (H x W x D)	44 × 440 × 160 mm	44 × 440 × 160 mm	44 × 440 × 260 mm	44 × 440 × 260 mm
Weight	≤ 2 kg	≤ 2 kg	≤ 3.6 kg	≤ 3.6 kg
10/100/1000 Base-T port	24	24	48	48
SFP port	4	-	4	-
SFP+ port	-	4	-	4
Latency (64byte LIFO)	≤2.1μs			

Item	S5136S-24T4S-EI-Q	S5136S-24T4X-EI-Q	S5136S-48T4S-EI-Q	S5136S-48T4X-EI-Q
Console port	1	1	1	1
Type-C console port	1	1	1	1
Management Ethernet port	1	1	1	1
USB port	1	1	1	1
Maximum stacking bandwidth	16Gbps	80Gbps	16Gbps	80Gbps
Input voltage	Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz			
Power consumption (static) Data collection standard: no load	6 W	6 W	13 W	13 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	16 W	16 W	30 W	31 W
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	18 W	21 W	37 W	42 W
Fan NUM	Fanless	Fanless	Fanless	Fanless
Sound pressure level at 27°C (80.6°F)	NA	NA	NA	NA
MTBF(Year)	129	129	128	118
MTTR(Hour)	1	1	1	1
Operating temperature	-5°C ~ 50°C (Normal operating temperature) -5°C ~ 45°C (When using transceiver modules with maximum transmission distance < 80km) -5°C ~ 40°C (When using transceiver modules with maximum transmission distance ≥ 80km) From -60m to 5000m altitude: From 0m, the maximum operating temperature reduce by 0.33°C for every time 100 the altitude increases by 100m.			
Storage temperature	-40°C ~ 70°C			
Operating & storage humidity	5% RH to 95% RH, non-condensing			

S5136S-24S8T4X-EI/S5136S-48S2T4X-EI/S5136S-48ST4X-EI:

Item	S5136S-24S8T4X-EI	S5136S-48S2T4X-EI	S5136S-48ST4X-EI
Port switching capacity	128Gbps	176Gbps	176Gbps
Forwarding capacity	95Mpps	131Mpps	131Mpps
System switching capacity	336Gbps		

Item	S5136S-24S8T4X-EI	S5136S-48S2T4X-EI	S5136S-48ST4X-EI
CPU	Dual Core, 1.2GHz		
SDRAM	2G		
Flash	1G		
Dimensions(H x W x D)	44 × 440 × 360 mm	44 × 440 × 360 mm	44 × 440 × 360 mm
Weight	≤ 5.4 kg	≤ 5.5 kg	≤ 5.5 kg
10/100/1000 Base-T port	8(Combo)	2(Combo)	24
SFP port	24	48	24
SFP+ port	4	4	4
Latency (64byte LIFO)	≤2.1μs		
Console port	1	1	1
Type-C console port	1	1	1
Management Ethernet port	1	1	1
USB port	1	1	1
Maximum stacking bandwidth	80Gbps	80Gbps	80Gbps
Input voltage	AC: Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz DC: -36V~-72V		
Power consumption (static) Data collection standard: no load	Single AC: 11 W Dual AC: 13 W Single DC: 15 W Dual DC: 22 W	Single AC: 19 W Dual AC: 21 W Single DC: 21 W Dual DC: 29 W	Single AC: 17 W Dual AC: 19 W Single DC: 20 W Dual DC: 27 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	Single AC: 12 W Dual AC: 14 W Single DC: 16 W Dual DC: 23 W	Single AC: 20 W Dual AC: 23 W Single DC: 23 W Dual DC: 31 W	Single AC: 27 W Dual AC: 29 W Single DC: 29 W Dual DC: 29 W
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	Single AC: 35 W Dual AC: 37 W Single DC: 37 W Dual DC: 44 W	Single AC: 54 W Dual AC: 55 W Single DC: 55 W Dual DC: 61 W	Single AC: 47 W Dual AC: 49 W Single DC: 47 W Dual DC: 53 W
Fan NUM	1	2	2
Sound pressure level at 27°C (80.6°F)	35.2 dB	35.2 dB	35.2 dB
MTBF(Year)	127	108	100
MTTR(Hour)	1	1	1

Item	S5136S-24S8T4X-EI	S5136S-48S2T4X-EI	S5136S-48ST4X-EI
Operating temperature	-5°C ~ 50°C(Normal operating temperature) -5°C ~ 45°C(When using transceiver modules with maximum transmission distance < 80km) -5°C ~ 40°C(When using transceiver modules with maximum transmission distance ≥ 80km) From -60m to 5000m altitude: From 0m, the maximum operating temperature reduce by 0.33°C for every time 100 the altitude increases by 100m.		
Storage temperature	-40°C ~ 70°C		
Operating & storage humidity	5% RH to 95% RH, non-condensing		

PoE models

S5136S-8UN2X-EI/ S5136S-8FP4UN4X-EI:

Item	S5136S-8UN2X-EI	S5136S-8FP4UN4X-EI
Port switching capacity	80Gbps	116Gbps
Forwarding capacity	60Mpps	87Mpps
System switching capacity	336Gbps	
CPU	Dual Core, 1.2GHz	
SDRAM	2G	
Flash	1G	
Dimensions (H x W x D)	44 × 330 × 230 mm	44 × 294 × 206 mm
Weight	≤ 2.3 kg	≤ 2.0 kg
10/100/1000/2500 Base-T port	8	4
10/100/1000 Base-T port	-	8
SFP+ port	2	4
Latency (64byte LIFO)	≤2.1μs	
Console Port	1	1
Type-C console port	1	1
Management Ethernet port	1	1
USB port	1	1
Maximum stacking bandwidth	40Gbps	80Gbps
Input voltage	Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz	
Power consumption (static) Data collection standard: no load	16 W	13 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	19 W	17 W

Item	S5136S-8UN2X-EI	S5136S-8FP4UN4X-EI
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	488 W (PoE: 410 W)	301 W (PoE: 250 W)
Fan NUM	3	Fanless
Sound pressure level at 27°C (80.6°F)	39.4 dB	N/A
MTBF(Year)	137	133
MTTR(Hour)	1	1
Operating temperature	-5°C ~ 50°C (Normal operating temperature) -5°C ~ 45°C (When using transceiver modules with maximum transmission distance < 80km) -5°C ~ 40°C (When using transceiver modules with maximum transmission distance ≥ 80km) From -60m to 5000m altitude: From 0m, the maximum operating temperature reduce by 0.33°C for every time 100 the altitude increases by 100m.	
Storage temperature	-40°C ~ 70°C	
Operating & storage humidity	5% RH to 95% RH, non-condensing	

S5136S-8FP4XS-EI-Q/S5136S-16FP4X-EI/S5136S-24FP4S4X-EI/S5136S-24FP4T4S-EI/S5136S-10FPT4X-EI-Q:

Item	S5136S-8FP4XS-EI-Q	S5136S-16FP4X-EI	S5136S-24FP4S4X-EI	S5136S-24FP4T4S-EI	S5136S-10FPT4X-EI-Q
Port switching capacity	60Gbps	112Gbps	128Gbps	56Gbps	100Gbps
Forwarding capacity	45Mpps	84Mpps	96Mpps	42Mpps	75Mpps
System switching capacity	336Gbps				
CPU	Dual Core, 1.2GHz				
SDRAM	2G				
Flash	1G				
Dimensions (H x W x D)	44 × 266 × 160 mm	44 × 440 × 260 mm	44 × 440 × 260 mm	44 × 440 × 260 mm	44 × 330 × 230 mm
Weight	≤ 1.5 kg	≤ 3.6 kg	≤ 3.6 kg	≤ 3.8 kg	≤ 2.3kg
10/100/1000 Base-T port	8	16	24	28	10
SFP port	2	-	4(Combo)	4(Combo)	-
SFP+ port	2	4	4	-	4
Latency (64byte LIFO)	≤ 2.1μs				
Console Port	1	1	1	1	1
Type-C console port	1	1	1	1	1
Management Ethernet port	1	1	1	1	1

Item	S5136S-8FP4XS-EI-Q	S5136S-16FP4X-EI	S5136S-24FP4S4X-EI	S5136S-24FP4T4S-EI	S5136S-10FPT4X-EI-Q
USB port	1	1	1	1	1
Maximum stacking bandwidth	40Gbps	80Gbps	80Gbps	8Gbps	80Gbps
Input voltage	Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz				
Power consumption (static) Data collection standard: no load	8 W	25 W	23 W	19 W	7 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	10 W	38 W	35 W	29 W	18 W
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	152 W (PoE: 125 W)	317 W (PoE: 248 W)	465 W (PoE: 405 W)	461 W (PoE: 405 W)	147 W (PoE: 125 W)
Fan NUM	Fanless	1	2	2	Fanless
Sound pressure level at 27°C (80.6°F)	N/A	37.6dB	37.6dB	37.6dB	N/A
MTBF(Year)	137	67	50	51	133
MTTR(Hour)	1	1	1	1	1
Operating temperature	-5°C ~ 50°C (Normal operating temperature) -5°C ~ 45°C (When using transceiver modules with maximum transmission distance < 80km) -5°C ~ 40°C (When using transceiver modules with maximum transmission distance ≥ 80km) From -60m to 5000m altitude: From 0m, the maximum operating temperature reduce by 0.33°C for every time 100 the altitude increases by 100m.				
Storage temperature	-40°C ~ 70°C				
Operating & storage humidity	5% RH to 95% RH, non-condensing				

S5136S-24P4X-EI/S5136S-48FP4S-EI/S5136S-48FP4X-EI/S5136S-48P4S-EI/S5136S-48P4X-EI:

Item	S5136S-24P4X-EI	S5136S-48FP4S-EI	S5136S-48FP4X-EI	S5136S-48P4S-EI	S5136S-48P4X-EI
Port switching capacity	128Gbps	104Gbps	176Gbps	104Gbps	176Gbps
Forwarding capacity	96Mpps	78Mpps	131Mpps	78Mpps	131Mpps
System switching capacity	336Gbps				
CPU	Dual Core, 1.2GHz				
SDRAM	2G				
Flash	1G				

Item	S5136S-24P4X-EI	S5136S-48FP4S-EI	S5136S-48FP4X-EI	S5136S-48P4S-EI	S5136S-48P4X-EI
Dimensions (H x W x D)	44 × 440 × 260 mm	44 × 440 × 260 mm	44 × 440 × 260 mm	44 × 440 × 260 mm	44 × 440 × 260 mm
Weight	≤ 3.6 kg	≤ 4.2 kg	≤ 4.2 kg	≤ 4.1 kg	≤ 4.1 kg
10/100/1000 Base-T port	24	48	48	48	48
SFP port	-	4	-	4	-
SFP+ port	4	-	4	-	4
Latency (64byte LIFO)	≤2.1μs				
Console port	1	1	1	1	1
Type-C console port	1	1	1	1	1
Management Ethernet port	1	1	1	1	1
USB port	1	1	1	1	1
Maximum stacking bandwidth	80Gbps	16Gbps	80Gbps	16Gbps	80Gbps
Input voltage	Rated voltage range: 100 VAC to 240 VAC @ 50 Hz or 60 Hz Max voltage range: 90 VAC to 264 VAC @ 47 Hz to 63 Hz				
Power consumption (static) Data collection standard: no load	29 W	35 W	35 W	29 W	29 W
Power consumption (with typical configuration) Data collection standard: fully configured with DAC cables or twisted pair cables, 30% loaded	42 W	56 W	56 W	54 W	54 W
Power consumption (fully configured) Data collection standard: fully configured with transceiver modules or twisted pair cables, 100% loaded	321 W (PoE: 248 W)	964 W (PoE: 770 W)	969 W (PoE: 770 W)	517 W (PoE: 390 W)	512 W (PoE: 390 W)
Fan NUM	1	2	2	2	2
Sound pressure level at 27°C (80.6°F)	37.6 dB	32.9 dB	32.9 dB	37.6 dB	37.6 dB
MTBF(Year)	62	44	43	44	43
MTTR(Hour)	1	1	1	1	1
Operating temperature	-5°C ~ 50°C (Normal operating temperature) -5°C ~ 45°C (When using transceiver modules with maximum transmission distance < 80km) -5°C ~ 40°C (When using transceiver modules with maximum transmission distance ≥ 80km) From -60m to 5000m altitude: From 0m, the maximum operating temperature reduce by 0.33°C for every time 100 the altitude increases by 100m.				
Storage temperature	-40°C ~ 70°C				
Operating & storage humidity	5% RH to 95% RH, non-condensing				

- Note: This content is applicable only to regions outside mainland China. H3C reserves the right to interpret the content.

Software specifications

Item	S5136S-EI switch series
LAN	VLAN ID range 0 to 4095(Total 4096, 0 and 4095 are reserved) Access/Trunk/Hybrid VLAN Port-based VLAN MAC-based VLAN IP subnet-based VLAN Protocol-based VLAN IEEE 802.1P(CoS priority) Private VLAN Voice VLAN QinQ (802.1Q-in-802.1Q) Vlan mapping Static/Dynamic/Blackhole/Multiport unicast MAC MAC automatic learning and aging Port-based/VLAN-based MAC learning limit MAC filter Port isolation Loop detection MVRP (Multiple VLAN Registration Protocol) GVRP (Generic VLAN Registration Protocol) STP (Spanning tree protocol) RSTP (Rapid Spanning Tree Protocol) MSTP (Multiple Spanning Tree Protocol) PVST (Per-VLAN Spanning Tree) (compatible with PVST+/RPVST+/PVRST+) BPDU/root/loop/TC-BPDU/PVST BPDU/dispute loopback guard BPDU filter Role/TC-BPDU transmission restriction LLDP (Link Layer Discovery Protocol) and LLDP-MED Broadcast/multicast/unknown unicast storm constrain Jumbo frame
Ethernet link aggregation	Static aggregation Dynamic aggregation Port aggregation LACP (Link Aggregation Control Protocol) S-MLAG
PoE	Fast PoE

Item	S5136S-EI switch series
	Perpetual PoE PoE watchdog (Self-healing PoE) PSE power monitoring Long distance PoE(maximum 250 meters at 10Mbps over CAT5E or above)
IP services	Static/Dynamic/Gratuitous/proxy ARP ARP snooping/fast-reply/direct route advertisement/ping ARP attack detection ARP source suppression DHCP (Dynamic Host Configuration Protocol) DHCP Server/relay agent/client/snooping DNS (Domain Name System) IRDP (ICMP Router Discovery Protocol) UDP helper ND (Neighbor Discovery) ND snooping/proxy/direct route advertisement/ping DHCPv6 Server/relay agent/client/snooping/guard HTTP redirect IPv4/IPv6 over IPv4 tunneling, and IPv4/IPv6 over IPv6 tunneling IPv4/IPv6 Fast Forwarding
Routing	Static routing, RIP, OSPF IPv4/IPv6 dual stack IPv4/IPv6 ECMP (Equal-cost multi-path routing) IPv4/IPv6 PBR (Policy-based routing) IPv4/IPv6 Routing policy IPv6 static routing, RIPng, OSPFv3 Pingv6, Telnetv6, FTPv6, TFTPv6, DNSv6, ICMPv6 Dual-stack PBR
Forwarding	Hardware-based (ASIC) Wire-speed/Line-rate architecture Store-and-forward
Broadcast/multicast/unicast storm suppression	Storm suppression based on port bandwidth percentage Storm suppression based on PPS Storm suppression based on BPS Broadcast traffic/Multicast traffic/Unknown unicast traffic suppression
Multicast	IGMPv1/IGMPv2/IGMPv3 PIM-SM/PIM-SSM/PIM-DM PIM snooping

Item	S5136S-EI switch series
	- IGMP Snooping - IGMP snooping proxying - IPv6 PIM snooping - MLD Snooping - MLD snooping proxying - Multicast VLAN
ACL/QoS	- ACL (Access Control List) - Advanced ACL - User-defined ACL - Ingress and Egress ACL - Ingress/Egress CAR - Diff-Serv QoS - Eight queues on a port 802.1P/DSCP Priority marking and remarking 802.1p, TOS, DSCP, and EXP priority mapping - Flexible queue scheduling algorithms including SP, WRR, SP+WRR - Traffic shaping - Traffic redirecting - Time ranges - Traffic classification based on source MAC, destination MAC, source IP, destination IP, port, protocol, and VLAN
VPN	- VPN-instance (VRF) - MCE (Multi-VPN Instance Customer Edge) - IPv6 MCE
Security	- RBAC (Role-based access control) - AAA (Authentication, Authorization, and Accounting) - RADIUS (Remote Authentication Dial-In User Service) - TACACS (Terminal Access Controller Access Control System) - HWTACACS (HW Terminal Access Controller Access Control System) (Same authentication processes and implementations with TACACS+) 802.1X authentication - Portal authentication - MAC authentication - Web authentication - Triple authentication - Port security - SSH1.x and SSH2.0 (Secure Shell)

Item	S5136S-EI switch series
	SSL (Secure Sockets Layer) HTTP/HTTPS Public Key Infrastructure (PKI) Control Plane Protection (CoPP) Secure Boot Attack detection and prevention ARP protection Dynamic ARP Inspection (DAI) TCP attack prevention IPSG (IP source guard) IPv6 RA Guard ARP attack protection ND attack protection MFF (MAC-forced forwarding) SAVI (Source Address Validation Improvement) FIPS (Federal Information Processing Standards) Hierarchical user management and password protection EAD (Endpoint Admission Defense) Basic and advanced ACLs for packet filtering OSPF, RIPv2, plain text and MD5 authentication
High availability	Ethernet OAM (IEEE 802.3ah) CFD (Connectivity Fault Detection) (IEEE 802.1ag and ITU-T Y.1731) DLDP (Device Link Detection Protocol) RRPP (Rapid Ring Protection Protocol) ERPS (G.8032 Ethernet Ring Protection Switching) Smart Link Monitor Link VRRPv2(Virtual Router Redundancy Protocol) VRRPv3 BFD (Bidirectional forwarding detection) Hardware BFD BFD for VRRP/OSPF /static routing, with a failover detection time less than 50 milliseconds IRF stacking convergency time less than 50 milliseconds Track Process redundancy/placement CPU protection

Item	S5136S-EI switch series
	Hot patching Link aggregation VCT (virtual cable test) Smart-Link Secure boot ISSU (In-Service Software Upgrade)
Network management	NQA (Network quality analyzer) Performance management through gRPC or NETCONF MDI/MDIX (medium-dependent interface/MDI crossover) NTP (Network Time Protocol) SNMPv1/SNMPv2c/SNMPv3 RMON (Remote Network Monitoring) and groups 1,2,3 and 9 MIB NETCONF/YANG Restful/Restconf API EAA (Embedded Automation Architecture) Port mirroring SPAN (Switch Port Analyzer)/RSPAN (Remote SPAN) Flow mirroring sFlow Information center Multiple syslog server connection VCF (Virtual Converged Framework) CWMP (CPE WAN Management Protocol/TR-069) ONVIF (Open Network Video Interface Forum) Fault alarm and automatic fault recovery System logs Alarming based on severity Debugging information output Device status monitoring mechanism, including the CPU engine, backplane, chips and other key components Configuration through CLI, Telnet, and console port Web-based configuration Zero Touch Provisioning Cloud management WebSocket Loading and upgrading through XModem/FTP/TFTP/SFTP/USB iMC network management system

Item	S5136S-EI switch series
	SmartMC (embedded Smart Graphical Management Center) No additional license required for switch software and hardware
Stacking	Intelligent Resilient Framework 2 (IRF2) (fast convergence within 50ms) Distributed device management Distributed link aggregation Distributed resilient routing Stacking through standard Ethernet ports Local device stacking and remote device stacking (Long distance stacking) LACP-, BFD-, and ARP-based multi-active detection (MAD)
Automatic configuration	Zero Touch Provisioning Server-based automatic configuration USB-based automatic configuration
Programmability and automation	Ansible Auto DevOps by using Python, NETCONF, TCL, and Restful APIs for automated network programming
Visualization	gRPC (Google remote procedure call) Flow group
OpenFlow	OpenFlow 1.3 Multiple controllers (EQUAL, master/slave) Multiple tables flow Group table
EMC	FCC Part 15 Subpart B CLASS A ICES-003 CLASS A VCCI CLASS A CISPR 32 CLASS A EN 55032 CLASS A CISPR 35 AS/NZS CISPR 32 EN 55035 EN 61000-3-2 EN 61000-3-3 ETSI EN 300 386
Safety	CSA C22.2 No. 62368-1-14 IEC 62368-1 EN 62368-1 EN 60825-1 AS/NZS 62368-1

Item	S5136S-EI switch series
	GB 4943.1
RoHS	EU RoHS2.0 Directive China RoHS 2.0

Performance specifications

Item	S5136S-EI series switches
MAC address entries	16K
VLAN	4096 (VLAN 0 and 4095 are reserved)
Active VLAN	4094
VLAN interface	32
IPv4 routing entries	3000
IPv4 ARP entries	2048
IPv4 ACL entries	1024
IPv6 unicast routing entries	750
IPv6 ACL entries	1024
IPv6 ND entries	750
Multicast L2 entries	999
Jumbo frame length	10000
QOS forward queues	8
MAX num in one link group	8
Link group num	124
Groups of RMON	4
Maximum stacking number	9

PoE power capacity

Product name	Total PoE power capacity	PoE ports quantity
S5136S-8FP4XS-EI-Q	125 W	15.4W (802.3af): 8 30W (802.3at): 4

Product name	Total PoE power capacity	PoE ports quantity
S5136S-8UN2X-EI	410W	15.4W (802.3af): 8 30W (802.3at): 8 60W (802.3bt): 6 90W(802.3bt): 4
S5136S-8FP4UN4X-EI	250W	15.4W (802.3af): 12 30W (802.3at): 8 60W (802.3bt): 4 90W(802.3bt): 2
S5136S-10FPT4X-EI-Q	125 W	15.4W (802.3af): 8 30W (802.3at): 4
S5136S-16FP4X-EI	248 W	15.4W (802.3af): 16 30W (802.3at): 8
S5136S-24P4X-EI	248 W	15.4W (802.3af): 16 30W (802.3at): 8
S5136S-24FP4S4X-EI	405 W	15.4W (802.3af): 24 30W (802.3at): 13
S5136S-24FP4T4S-EI	405 W	15.4W (802.3af): 24 30W (802.3at): 13
S5136S-48P4S-EI	390 W	15.4W (802.3af): 25 30W (802.3at): 13
S5136S-48P4X-EI	390 W	15.4W (802.3af): 25 30W (802.3at): 13
S5136S-48FP4S-EI	770 W	15.4W (802.3af): 48 30W (802.3at): 25
S5136S-48FP4X-EI	770 W	15.4W (802.3af): 48 30W (802.3at): 25

Removable components matrix

Removable power supplies (Hot swappable)	S5136S-24S8T4X-EI S5136S-48ST4X-EI S5136S-48S2T4X-EI
CA-70A12 (AC)	Pluggable 70W AC Power Supply
PSR150-D1-GL (DC)	Supported

Standards and protocols compliance

Organization	Standards and protocols
IEEE	802.1x Port based network access control protocol 802.1ab Link Layer Discovery Protocol 802.1ak MVRP and MRP 802.1ax Link Aggregation 802.1d Media Access Control Bridges 802.1p Priority 802.1q VLANs 802.1s Multiple Spanning Trees 802.1ag Connectivity Fault Management 802.1v VLAN classification by Protocol and Port 802.1w Rapid Reconfiguration of Spanning Tree 802.3ad Link Aggregation Control Protocol 802.3af Power over Ethernet 802.3at Power over Ethernet 802.3az Energy Efficient Ethernet 802.3ah Ethernet in the First Mile 802.3x Full Duplex and flow control 802.3z 1000BASE-SX,1000BASE-LX 802.3u 100BASE-T 802.3ab 1000BASE-T
IETF	RFC 768 User Datagram Protocol (UDP) RFC 791 Internet Protocol (IP) RFC 792 Internet Control Message Protocol (ICMP) RFC 793 Transmission Control Protocol (TCP) RFC 813 Window and Acknowledgement Strategy in TCP RFC 815 IP datagram reassembly algorithms RFC 8201 Path MTU Discovery for IP version 6 RFC 826 Address Resolution Protocol (ARP) RFC 879 TCP maximum segment size and related topics RFC 896 Congestion control in IP/TCP internetworks RFC 917 Internet subnets RFC 919 Broadcasting Internet Datagrams RFC 922 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)

Organization	Standards and protocols
	RFC 951 BOOTP RFC 1027 Proxy ARP RFC 1122 Requirements for Internet Hosts - Communications Layers RFC 1213 MIB-2 Stands for Management Information Base RFC 1215 Convention for defining traps for use with the SNMP RFC 1256 ICMP Router Discovery Messages RFC 1350 TFTP Protocol (revision 2) RFC 1393 Traceroute Using an IP Option RFC 1519 Classless Inter-Domain Routing (CIDR) RFC 1542 BOOTP Extensions RFC 1583 OSPF Version 2 RFC 1591 Domain Name System Structure and Delegation RFC 1757 Remote Network Monitoring Management Information Base RFC 1772 Application of the Border Gateway Protocol in the Internet RFC 1812 Requirements for IP Version 4 Router RFC 1918 Address Allocation for Private Internet RFC 2131 Dynamic Host Configuration Protocol (DHCP) RFC 2132 DHCP Options and BOOTP Vendor Extensions RFC 2273 SNMPv3 Applications RFC 2328 OSPF Version 2 RFC 2375 IPv6 Multicast Address Assignments RFC 2401 Security Architecture for the Internet Protocol RFC 2402 IP Authentication Header RFC 2460 Internet Protocol, Version 6 (IPv6) Specification RFC 2464 Transmission of IPv6 over Ethernet Networks RFC 2576 (Coexistence between SNMP V1, V2, V3) RFC 2579 Textual Conventions for SMIV2 RFC 2580 Conformance Statements for SMIV2 RFC 2711 IPv6 Router Alert Option RFC 2787 Definitions of Managed Objects for the Virtual Router Redundancy Protocol RFC 2925 Definitions of Managed Objects for Remote Ping, Traceroute, and Lookup Operations RFC 3101 OSPF Not-so-stubby-area option RFC 3046 DHCP Relay Agent Information Option RFC 3056 Connection of IPv6 Domains via IPv4 Clouds RFC 3137 OSPF Stub Router Advertisement sFlow RFC 3416 (SNMP Protocol Operations v2)

Organization	Standards and protocols
	RFC 3417 (SNMP Transport Mappings) RFC 3418 Management Information Base (MIB) for the Simple Network Management Protocol (SNMP) RFC 3484 Default Address Selection for IPv6 RFC 3509 Alternative Implementations of OSPF Area Border Routers RFC 3580 IEEE 802.1X Remote Authentication Dial In User Service (RADIUS) Usage Guidelines RFC 3623 Graceful OSPF Restart RFC 3768 Virtual Router Redundancy Protocol (VRRP) RFC 4022 MIB for TCP RFC 4113 MIB for UDP RFC 4213 Basic Transition Mechanisms for IPv6 Hosts and Routers RFC 4251 The Secure Shell (SSH) Protocol RFC 4252 SSHv6 Authentication RFC 4253 SSHv6 Transport Layer RFC 4254 SSHv6 Connection RFC 4291 IP Version 6 Addressing Architecture RFC 4292 IP Forwarding Table MIB RFC 4293 Management Information Base for the Internet Protocol (IP) RFC 4419 Key Exchange for SSH RFC 4443 ICMPv6 RFC 4541 IGMP & MLD Snooping Switch RFC 4552 Authentication/Confidentiality for OSPFv3 RFC 4750 OSPFv2 MIB partial support no SetMIB RFC 4861 IPv6 Neighbor Discovery RFC 4862 IPv6 Stateless Address Auto-configuration RFC 4940 IANA Considerations for OSPF RFC 5095 Deprecation of Type 0 Routing Headers in IPv6 RFC 5187 OSPFv3 Graceful Restart RFC 5340 OSPFv3 for IPv6 RFC 5424 Syslog Protocol RFC 5798 VRRP (exclude Accept Mode and sub-sec timer) RFC 5880 Bidirectional Forwarding Detection RFC 5905 Network Time Protocol Version 4: Protocol and Algorithms Specification RFC 6987 OSPF Stub Router Advertisement RFC 5280 Internet X.509 Public Key Infrastructure Certificate and Certificate Revocation List (CRL) Profile RFC 5381 Experience of Implementing NETCONF over SOAP
MIB	HH3C-CONFIG-MAN-MIB

Organization	Standards and protocols
	HH3C-FLASH-MAN-MIB HH3C-FTPS-MIB HH3C-RBAC-MIB HH3C-SYS-MAN-MIB HH3C-TELNET-MIB HH3C-UI-MAN-MIB RFC1213-MIB ENTITY-MIB HH3C-COMMON-SYSTEM-MIB HH3C-ENTITY-EXT-MIB HH3C-ENTRELATION-MIB HH3C-INFOCENTER-MIB HH3C-LSW-DEV-ADM-MIB HH3C-LSWDEVM-MIB HH3C-LSWTRAP-MIB HH3C-RES-MON-MIB HH3C-TRANSCIVER-INFO-MIB HH3C-TRAP-MIB POWER-ETHERNET-MIB SYSLOG-MSG-MIB HH3C-LswMix-MIB HH3C-MAD-MIB HH3C-STACK-MIB HH3C-IF-EXT-MIB HH3C-LSWINF-MIB HH3C-STORM-CONSTRAIN-MIB IF-MIB BRIDGE-MIB EtherLike-MIB HH3C-ETH-TRAP-MIB HH3C-LAG-MIB HH3C-LLDP-EXT-MIB HH3C-LPBKDT-MIB HH3C-LSWMAM-MIB HH3C-LSWMSTP-MIB HH3C-LSWVLAN-MIB

Organization	Standards and protocols
	HH3C-MAC-INFORMATION-MIB HH3C-MAC-TRAP-MIB HH3C-PROTOCOL-VLAN-MIB HH3C-PVST-MIB HH3C-QINQV2-MIB HH3C-SUBNET-VLAN-MIB HH3C-VMAP-MIB HH3C-VOICE-VLAN-MIB EEE8021-CFM-MIB EEE8021-CFM-V2-MIB EEE8023-LAG-MIB LLDP-EXT-DOT1-MIB LLDP-EXT-DOT1-V2-MIB LLDP-EXT-DOT3-MIB LLDP-EXT-DOT3-V2-MIB LLDP-EXT-MED-MIB LLDP-MIB LLDP-V2-MIB P-BRIDGE-MIB O-BRIDGE-MIB HH3C-ARP-SOURCE-SUPPRESSION-MIB HH3C-ARP-SUPPRESSION-MIB HH3C-DHCP4-CLIENT-MIB HH3C-DHCP4-MIB HH3C-DHCP-SNOOP2-MIB HH3C-DNS-MIB HH3C-IP-ADDRESS-MIB HH3C-IPV6-ADDRESS-MIB HH3C-NAT-MIB HH3C-ND-TRAP-MIB HH3C-SESSION-MIB IP-FORWARD-MIB IP-MIB IPV6-ICMP-MIB IPV6-MIB IPV6-TCP-MIB

Organization	Standards and protocols
	IPV6-UDP-MIB TCP-MIB UDP-MIB HH3C-OSPF-MIB HH3C-PBR-MIB OSPF-MIB OSPF-TRAP-MIB OSPFV3-MIB RIPv2-MIB HH3C-LSWIGSP-MIB HH3C-MPM-MIB HH3C-MULTICAST-SNOOPING-MIB IPMCAST-MIB MPLS-L3VPN-STD-MIB HH3C-ACL-MIB HH3C-CBQOS2-MIB HH3C-IFQOS2-MIB HH3C-QOS-CAPABILITY-MIB HH3C-8021X-EXT2-MIB HH3C-DOMAIN-MIB HH3C-LOCAL-AAA-SERVER-MIB HH3C-PORT-SECURITY-MIB HH3C-RADIUS-MIB HH3C-USER-MIB IEEE8021-PAE-MIB IEEE8021X-PAE-MIB RADIUS-ACC-CLIENT-MIB RADIUS-AUTH-CLIENT-MIB HH3C-IKE-MONITOR-MIB HH3C-IPSEC-MONITOR-V2-MIB HH3C-IPSG-MIB HH3C-IPSGT-MIB HH3C-PKI-MONITOR-MIB HH3C-PORTATK-TRAP-MIB HH3C-SSH-MIB SAVI-MIB

Organization	Standards and protocols
	DOT3-OAM-MIB HH3C-BFD-STD-MIB HH3C-CFD-MIB HH3C-DLDP2-MIB HH3C-ERPS-MIB HH3C-ETHOAM-MIB HH3C-RRPP-MIB HH3C-SMLK-MIB VRRP-MIB DISMAN-PING-MIB HH3C-HTTP-MIB HH3C-IRRORGROUP-MIB HH3C-NETCONF-MIB HH3C-NQA-MIB HH3C-NTP-MIB HH3C-RMON-EXT2-MIB HH3C-SNMP-EXT-MIB RMON2-MIB RMON-MIB SFLOW-MIB SNMP-FRAMEWORK-MIB SNMP-MPD-MIB SNMP-NOTIFICATION-MIB SNMP-TARGET-MIB SNMP-USER-BASED-SM-MIB SNMPv2-MIB SNMP-VIEW-BASED-ACM-MIB HH3C-GRPC-MIB HH3C-OFPP-MIB

Ordering information

Item		Description
Product code	LS-5136S-8T4XS-EI-Q-GL	H3C S5136S-8T4XS-EI-Q Ethernet Switch with 8*10/100/1000BASE-T Ports, 2*1000BASE-X SFP Ports, and 2*1G/10GBASE-X SFP+ Ports,(AC)

Item		Description
	LS-5136S-8FP4XS-EI-Q-GL	H3C S5136S-8FP4XS-EI-Q Ethernet Switch with 8*10/100/1000BASE-T PoE+ Ports, 2*1000BASE-X SFP Ports, and 2*1G/10GBASE-X SFP+ Ports,(AC)
	LS-5136S-8N2X-EI-GL	H3C S5136S-8N2X-EI Ethernet Switch with 8*100/1G/2.5G BASE-T Ports and 2*1G/2.5G/10G BASE-X SFP+ Ports,(AC)
	LS-5136S-8UN2X-EI-GL	H3C S5136S-8UN2X-EI Ethernet Switch with 8*100/1G/2.5G BASE-T PoE++ Ports and 2*1G/2.5G/10G BASE-X SFP+ Ports, (AC)
	LS-5136S-8FP4UN4X-EI-GL	H3C S5136S-8FP4UN4X-EI Ethernet Switch with 8*10/100/1G BASE-T PoE+ Ports, 4*100/1G/2.5G BASE-T PoE++ Ports, and 4*1G/2.5G/10G BASE-X SFP+ Ports, (AC)
	LS-5136S-10T4X-EI-Q-GL	H3C S5136S-10T4X-EI-Q Ethernet Switch with 10*10/100/1000BASE-T Ports and 4*1G/10GBASE-X SFP+ Ports,(AC)
	LS-5136S-10FPT4X-EI-Q-GL	H3C S5136S-10FPT4X-EI-Q Ethernet Switch with 8*10/100/1000BASE-T PoE+ Ports, 2*10/100/1000BASE-T Ports, and 4*1G/10GBASE-X SFP+ Ports,(AC)
	LS-5136S-16T4X-EI-Q-GL	H3C S5136S-16T4X-EI-Q Ethernet Switch with 16*10/100/1000BASE-T Ports and 4*1G/10GBASE-X SFP+ Ports,(AC)
	LS-5136S-16FP4X-EI-GL	H3C S5136S-16FP4X-EI Ethernet Switch with 16*10/100/1000BASE-T PoE+ Ports and 4*1G/10GBASE-X SFP+ Ports,(AC)
	LS-5136S-24T4S-EI-Q-GL	H3C S5136S-24T4S-EI-Q Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1000BASE-X SFP Ports,(AC)
	LS-5136S-24T4X-EI-Q-GL	H3C S5136S-24T4X-EI-Q Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1G/10GBASE-X SFP+ Ports,(AC)
	LS-5136S-24P4X-EI-GL	H3C S5136S-24P4X-EI Ethernet Switch with 24*10/100/1000BASE-T PoE+ Ports and 4*1G/10GBASE-X SFP+ Ports,(AC)
	LS-5136S-24FP4T4S-EI-GL	H3C S5136S-24FP4T4S-EI Ethernet Switch with 24*10/100/1000BASE-T PoE+ Ports, 4*100/1000BASE-X SFP Ports, and 4*10/100/1000BASE-T Combo Ports,(AC)
	LS-5136S-24FP4S4X-EI-GL	H3C S5136S-24FP4S4X-EI Ethernet Switch with 24*10/100/1000BASE-T PoE+ Ports, 4*100/1000BASE-X SFP Combo Ports, and 4*1G/10GBASE-X SFP+ Ports,(AC)
	LS-5136S-48T4S-EI-Q-GL	H3C S5136S-48T4S-EI-Q Ethernet Switch with 48*10/100/1000BASE-T Ports and 4*1000BASE-X SFP Ports,(AC)
	LS-5136S-48T4X-EI-Q-GL	H3C S5136S-48T4X-EI-Q Ethernet Switch with 48*10/100/1000BASE-T Ports and 4*1G/10G BASE-X SFP+ Ports,(AC)
	LS-5136S-48P4S-EI-GL	H3C S5136S-48P4S-EI Ethernet Switch with 48*10/100/1000BASE-T PoE+ Ports and 4*1000BASE-X SFP Ports,(AC)
	LS-5136S-48P4X-EI-GL	H3C S5136S-48P4X-EI Ethernet Switch with 48*10/100/1000BASE-T PoE+ Ports and 4*1G/10GBASE-X SFP+ Ports,(AC)
	LS-5136S-48FP4S-EI-GL	H3C S5136S-48FP4S-EI Ethernet Switch with 48*10/100/1000BASE-T PoE+ Ports and 4*1000BASE-X SFP Ports,(AC)
	LS-5136S-48FP4X-EI-GL	H3C S5136S-48FP4X-EI Ethernet Switch with 48*10/100/1000BASE-T PoE+ Ports and 4*1G/10GBASE-X SFP+ Ports,(AC)
	LS-5136S-24S8T4X-EI-GL	H3C S5136S-24S8T4X-EI Ethernet Switch with 24*100/1000BASE-X SFP Ports, 8*10/100/1000BASE-T Combo Ports, and 4*1G/10GBASE-X SFP+ Ports,Without Power Supplies
	LS-5136S-48ST4X-EI-GL	H3C S5136S-48ST4X-EI Ethernet Switch with 24*10/100/1000BASE-T Ports, 24*100/1000BASE-X SFP Ports, and 4*1G/10GBASE-X SFP+ Ports,Without Power Supplies

Item		Description
	LS-5136S-48S2T4X-EI-GL	H3C S5136S-48S2T4X-EI Ethernet Switch with 48*100/1000BASE-X SFP Ports, 2*10/100/1000BASE-T Combo Ports, and 4*1G/10GBASE-X SFP+ Ports,Without Power Supplies
Powe supply	CA-70A12	Pluggable 70W AC Power Supply
	PSR180-12D-B	180W Asset-Manageable DC Power Supply

Datasheet history

Description	Location	Date
Replace the datasheet with a new template	Full document	November, 2025
Add highlights	Product overview	November, 2025
Add MIB	Standards and protocols compliance	November, 2025
Add new models: S5136S-8N2X-EI, S5136S-8UN2X-EI, S5136S-8FP4UN4X-EI	Full document	May, 2025



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