H3C S5120V3-LI Layer 3 Gigabit Access Switch Series

Release Date: July, 2023

New H3C Technologies Co., Limited

H3C S5120V3-LI Layer 3 Gigabit Access Switch Series

Product Overview

H3C S5120V3-LI Ethernet switch product is independently developed by New H3C Technologies Co., Ltd. (H3C). It is a second-generation smart managed switch designed for network environments that require high performance, high port density, and easy installation.

H3C S5120V3-LI Ethernet switch provides 10/100/1000Base-T adaptive Ethernet ports or SFP/SFP+ optical ports. In enterprise networks, it can be used as an access device to provide Gigabit to desktops; in metropolitan area networks or networks of industrial users, it can provide Gigabit access to end users or tandem low-end switches downwards, and connect to high-capacity L3 switches through Gigabit fiber or link aggregation upwards.

H3C S5120V3-LI Ethernet switch series supports the innovative Intelligent Resilient Framework (IRF) technology, which allows users to connect up to nine S5120V3-LI switches to form a logically independent entity to build a highly reliable, easily scalable, and manageable new intelligent network.

H3C S5120V3-LI Ethernet switch series includes the following models:

- S5120V3-10P-LI: 8*10/100/1000TX+ 2*SFP
- S5120V3-10P-PWR-LI: 8*10/100/1000TX + 2*SFP
- S5120V3-20P-LI: 16*10/100/1000TX+ 4*SFP
- S5120V3-28P-LI: 24 *10/100/1000TX+ 4*SFP
- S5120V3-52P-LI: 48*10/100/1000TX+ 4*SFP
- S5120V3-28P-PWR-LI: 24 *10/100/1000TX+ 4*SFP
- S5120V3-28P-HPWR-LI: 24 *10/100/1000TX+ 4*SFP(4*GE Combo Ports)
- S5120V3-52P-PWR-LI: 48*10/100/1000TX+ 4*SFP
- S5120V3-28S-LI: 24*10/100/1000TX+ 4*SFP Plus
- S5120V3-52S-LI: 48*10/100/1000TX+ 4*SFP Plus
- S5120V3-28S-PWR-LI: 24*10/100/1000TX + 4*SFP Plus
- S5120V3-52S-PWR-LI: 48*10/100/1000TX + 4*SFP Plus
- S5120V3-28S-HPWR-LI: 24*10/100/1000TX + 4*SFP combo+ 4*SFP Plus
- S5120V3-28F-LI: 24*SFP+ 2*SFP(2GE Combo Ports)+ 2*SFP Plus

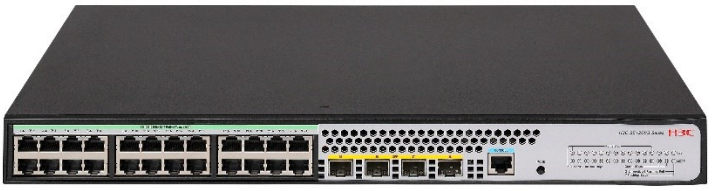
S5120V3-10P-LI

S5120V3-10P-PWR-LI

S5120V3-20P-LI

S5120V3-28P-LI

S5120V3-52P-LI

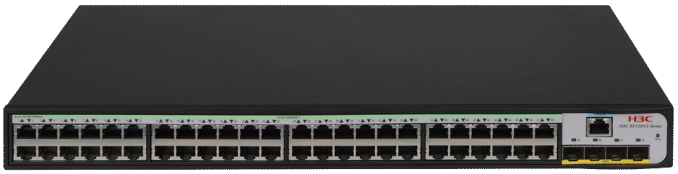


S5120V3-28P-PWR-LI

S5120V3-28P-HPWR-LI

S5120V3-52P-PWR-LI

S5120V3-28S-LI



S5120V3-52S-LI

S5120V3-28S-PWR-LI

S5120V3-52S-PWR-LI

S5120V3-28S-HPWR-LI

S5120V3-28F-LI

Features and benefits

Abundant service capabilities

H3C S5120V3-LI Ethernet switch series supports Internet broadband access and offers Gigabit port access and uplink interface for small and medium-sized enterprises. It supports rich features such as Jumbo Frame, 802.1X, MAC authentication, port security, LACP, 4K VLANs, up to 16K MAC address and blackhole MAC address, and abundant functions such as port-based priority auto-mapping of Layer 2 and Layer 3, port-based mirror, redirection, port isolation, access control lists, port speed limit and rich Ethernet IPv6 features.

IRF2 (Second Generation Intelligent Resilient Framework)

H3C S5120V3-LI switch series supports IRF2 technology that allows multiple physical devices it connects to be virtualized into one logical device. In this way, users can manage and use these multiple devices as a single device. IRF can bring the following benefits to users:

- Simplified management: Once an IRF is built, users can log into the unified logical device by connecting to any port of any member. By configuring a single device, users can manage the whole intelligent resilient system and all member devices in the system, without physically connecting to each member device for configuration and management.
- Simplified services: Various control protocols running on the logical device formed by IRF are running as if they are on one device. For example, routing protocols perform the unified calculation as one device. With the application of cross-device link aggregation technology, the original spanning tree protocol will be replaced. This avoids a great number of protocol packet exchanges among the members, simplifies network operation, and shortens the convergence time during network flapping.
- Elastic extension: Elastic extension can be achieved according to user needs to ensure user investment. And the new device can achieve a "hot swap" when adding or leaving IRF, without affecting the normal operation of other devices.
- High reliability: The high reliability of IRF is embodied in three aspects, specifically, links, devices, and protocols. Not only the physical ports of members can be aggregated, but also the physical links between the IRF system and the upper or lower layer devices can be aggregated, and thus the reliability of links is increased through a multi-link backup. An IRF system comprises multiple member devices. As soon as the master fails, the IRF system elects a new master immediately to prevent service interruption and implement 1:N backup. The IRF system has real-time protocol hot backup functions responsible for backing up configuration information of the protocol to all other member devices, achieving 1:N protocol reliability.
- High performance: For high-end switches, performance and port density will be limited by the hardware structure. But for an IRF system, its performance and port density are the sum of the performance and port numbers of all devices within the system. Therefore, the IRF technology can easily expand the switching capability of the device and the density of user ports several times, thereby greatly improving the performance of the device.
- Easy management: The entire resilient framework shares one IP. This simplifies network device and topology management, improves operating efficiency, and reduces maintenance costs.

Comprehensive security control policies

- ARP attacks and ARP viruses are major threats to LAN security, so the H3C S5120V3-LI switch series comes with diverse ARP protection functions such as ARP Detection to challenge the legitimacy of clients, validate the ARP packets, and set a speed limit for ARP to prevent ARP swarm attacks from targeting CPU.

- H3C S5120V3-LI switch series supports EAD (End User Admission Domination) function. With the background system, EAD integrates terminal security policies, such as anti-virus and patching, into network access control and access right control policies to form a cooperative security system. By checking, isolating, fixing, managing, and monitoring access terminals, EAD changes passive, 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.
- It supports multiple authentication methods such as 802.1X authentication and centralized MAC authentication, and flexibly adapts to the multiple authentication requirements of the network environment.

Rich QoS policies

- H3C S5120V3-LI switch series supports packet filtering at Layer 2 through Layer 4 and traffic classification. It provides a flexible queue-scheduling algorithm and allows settings to be configured based on ports and queues at the same time. SP, WRR, and SP+WRR modes are supported. It also supports ACL in the inbound and outbound direction, traffic policing, and port and traffic mirroring in the outbound and inbound direction, to monitor packets on specified ports for network detection and troubleshooting.

Outstanding management capacity

- H3C S5120V3-LI switch series supports Simple Network Management Protocol (SNMP) v1/v2/v3, which can be managed by iMC. This series supports CLI command line, Web-based network management, and Telnet for easier device management, as well as encryption methods like SSH2.0 for more secure management.
- H3C S5120V3-LI switch series supports VLAN classification based on MAC address, which is a good solution for intelligent and flexible management of mobile office; combined with ACL policies in the global or VLAN mode, it simplifies configuration and minimizes hardware resources.

Layer 3 routing features

H3C S5120V3-LI switch series provides rich layer 3 routing features and supports static routing, RIP, RIPng, and OSPF V1/V2/V3.

Green Design

The S5120V3-LI series switch implements 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.

The S5120V3-10P-LI, S5120V3-10P-PWR-LI, S5120V3-20P-LI, S5120V3-28P-LI and S5120V3-28S-LI

switches are fan-less design, significantly reduce devices power consumption and noise.

Hardware Specifications

Feature	S5120V3-10P-LI	S5120V3-10P-PWR-LI	S5120V3-20P-LI	S5120V3-28P-LI
Switching capacity	20Gbps	20Gbps	40Gbps	56Gbps
Forwarding capacity	15Mpps	15Mpps	30Mpps	41.7Mpps
CPU	1 Core, 800MHz			
Flash/SDRAM	256MB/512MB			
Dimensions (W × D × H)	266×161×43.6 mm	330×230×43.6 mm	330×230×43.6 mm	440×160×43.6 mm
Weight	≤ 1.5 kg	≤ 3 kg	≤ 2 kg	≤ 2.5 kg
Management port	1 console port			
Networking interface	8*10/100/1000TX+ 2*SFP	8*10/100/1000TX+ 2*SFP	16×10/100/1000TX+4×SFP	24×10/100/1000TX+4×SFP
Maximum Stacking bandwidth	16Gbps	16Gbps	16Gbps	16Gbps
Maximum stacking num	9	9	9	9
Port Surge	6KV	6KV	6KV	6KV
Input voltage	AC: The rated voltage range is 100V to 240V, 50/60Hz.			
Total power consumption	MIN: AC: 8W MAX: AC: 15W	MIN: AC: 14W MAX: AC: 156W (PoE 125W)	MIN: AC: 9W MAX: AC: 19W	MIN: AC: 9W MAX: AC: 23W
Fan number	Fan-less	Fan-less	Fan-less	Fan-less
MTBF(Year)	140.82	117.08	136.24	150.86
MTTR(Hour)	1	1	1	1
Operating temperature	-5℃ ~ 50℃(normal operating temperature) -5℃ ~ 45℃(When using transceiver modules with maximum transmission distance < 80km) -5℃ ~ 40℃(When using transceiver modules with maximum transmission distance ≥ 80km)			
Storage temperature	-40℃ ~ 70℃			
Relative humidity (non-condensing)	5% RH to 95% RH, non-condensing			

Hardware Specifications (continued)

Feature	S5120V3-52P-LI	S5120V3-28P-PWR-LI	S5120V3-28P-HPWR-LI	S5120V3-52P-PWR-LI	S5120V3-28F-LI
Switching capacity	104Gbps	56Gbps	56Gbps	104Gbps	92Gbps
Forwarding capacity	77.4Mpps	41.7Mpps	41.7Mpps	77.4Mpps	136.9Mpps
CPU	1 Core, 800MHz				
Flash/SDRAM	256MB/512MB				
Dimensions (W × D × H)	440×230×43.6 mm	440×260×43.6 mm	440×260×43.6 mm	440×400×43.6 mm	440×230×43.6 mm
Weight	≤ 3.5 kg	≤ 4 kg	≤4 kg	≤ 6 kg	≤ 3 kg
Management port	1 console port				

Feature	S5120V3-52P-LI	S5120V3-28P-PWR-LI	S5120V3-28P-HPWR-LI	S5120V3-52P-PWR-LI	S5120V3-28F-LI
Networking interface	48×10/100/1000TX+4×SFP	24×10/100/1000TX+4×SFP	24×10/100/1000TX+4×SFP(4Combo)	48×10/100/1000TX+4×SFP	24xSFP+2xSFP(2Combo)+2xSFP Plus
Maximum Stacking bandwidth	16Gbps	16Gbps	16Gbps	16Gbps	40Gbps
Maximum stacking num	9	9	9	9	9
Port Surge	6KV	6KV	6KV	6KV	6KV
Input voltage	AC: The rated voltage range is 100V to 240V, 50/60Hz.				
Total power consumption	MIN: AC: 18W MAX: AC: 41W	MIN: AC: 15W MAX: AC: 294W (PoE 240W)	MIN: AC: 12W MAX: AC single 400W (PoE 370W)	MIN: AC: 36W MAX: AC: 467W (PoE 370W)	MIN: AC: 15W MAX: AC: 45W
Fan number	1	1	3	1	2
MTBF(Year)	115.68	87.06	52.81	50.19	150.86
MTTR(Hour)	1	1	1	1	1
Operating temperature	-5℃ ~ 50℃(normal operating temperature) -5℃ ~ 45℃(When using transceiver modules with maximum transmission distance < 80km) -5℃ ~ 40℃(When using transceiver modules with maximum transmission distance ≥ 80km)				
Storage temperature	-40℃ ~ 70℃				
Relative humidity (non-condensing)	5% RH to 95% RH, non-condensing				

Hardware Specifications (continued)

Feature	S5120V3-28S-LI	S5120V3-52S-LI	S5120V3-28S-HPWR-LI	S5120V3-28S-PWR-LI	S5120V3-52S-PWR-LI
Switching capacity	128Gbps	176Gbps	128Gbps	128Gbps	176Gbps
Forwarding capacity	95.232Mpps	130.952Mpps	95.232Mpps	95.232Mpps	130.952Mpps
CPU	1 Core, 800MHz				
Flash/SDRAM	256MB/512MB				
Dimensions (W × D × H)	440×160×43.6 mm	440×230×43.6 mm	440×260×43.6 mm	440×260×43.6 mm	440×400×43.6 mm
Weight	≤ 2.5 kg	≤ 3.5 kg	≤ 4.5 kg	≤ 4.5 kg	≤ 6 kg
Management port	1 console port				
Networking interface	24×10/100/1000TX+4×SFP Plus	48×10/100/1000TX+4×SFP Plus	24×10/100/1000TX+4×SFP combo + 4×SFP Plus	24×10/100/1000TX+4×SFP Plus	48×10/100/1000TX+4×SFP Plus
Maximum Stacking bandwidth	80Gbps	80Gbps	80Gbps	80Gbps	80Gbps
Maximum stacking num	9	9	9	9	9
Port Surge	6KV	6KV	6KV	6KV	6KV
Input voltage	AC: The rated voltage range is 100V to 240V, 50/60Hz.				
Total power consumption	MIN: AC: 10W MAX: AC: 24W	MIN: AC: 19W MAX: AC: 44W	MIN: AC: 16W MAX: AC: 445W (PoE 370W)	MIN: AC: 15W MAX: AC: 294W (PoE 240W)	MIN: AC: 36W MAX: AC: 467W (PoE 370W)

Feature	S5120V3-28S-LI	S5120V3-52S-LI	S5120V3-28S-HPWR-LI	S5120V3-28S-PWR-LI	S5120V3-52S-PWR-LI
Fan number	Fan-less	1	3	1	1
MTBF(Year)	150.86	115.68	52.81	87.06	50.19
MTTR(Hour)	1	1	1	1	1
Operating temperature	-5℃ ~ 50℃(normal operating temperature) -5℃ ~ 45℃(When using transceiver modules with maximum transmission distance < 80km) -5℃ ~ 40℃(When using transceiver modules with maximum transmission distance ≥ 80km)				
Storage temperature	-40℃ ~ 70℃				
Relative humidity (non-condensing)	5% RH to 95% RH, non-condensing				

Software Specifications

Feature	S5120V3-LI switch series
Port aggregation	GE/10GE port aggregation Dynamic aggregation Static aggregation Cross-device aggregation
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
Traffic control	802.3x traffic control and half-duplex backpressure
IRF2	Distributed device management, distributed link aggregation, and distributed resilient routing Stacking through standard Ethernet interfaces Local device stacking and remote device stacking
MAC address table	Static MAC address Blackhole MAC address Setting the maximum number of port MAC addresses to be learned
VLAN	Port-based VLAN MAC-based VLAN Protocol-based VLAN QinQ and selective QinQ VLAN mapping Voice VLAN MVRP
DHCP	DHCP Client DHCP Snooping DHCP Snooping option82 DHCP Relay DHCP Server DHCP auto-config
VLAN interface	Both IPv4 and IPv6 supported
ARP	ARP Detection ARP speed limit

Feature	S5120V3-LI switch series
IP routing	Static routing RIPv1/v2 and RIPng OSPFv1/v2 and OSPFv3
Multicast	IGMP Snooping V2/V3 PIM Snooping MLD Snooping Multicast VLAN Multicast VLAN+
Layer 2 ring network protocol	STP/RSTP/MSTP/PVST/PVST+ STP Root Protection Smart Link RRPP G.8032 ERPS (Ethernet Ring Protection Switching)
ACL	Packet filtering at Layer 2 through layer 4 Traffic classification based on source MAC addresses, destination MAC addresses, source IPv4/IPv6 addresses, Time range-based ACL VLAN-based ACL Bidirectional ACL
QoS	Port rate limit (receiving and transmitting) Packet redirection Committed access rate (CAR) Eight output queues on each port Flexible queue scheduling algorithms based on ports and queues, including SP, WRR and SP+WRR 802.1p DSCP remarking
Traffic Statistic	Sflow
Forwarding	Wire-speed/Line-rate architecture
Mirroring	Port mirroring Traffic mirroring RSPAN
Security	Hierarchical user management and password protection AAA authentication support RADIUS authentication HWTACACS SSH2.0 Port isolation 802.1X authentication, centralized MAC authentication Port security IP Source Guard HTTPs EAD

Feature	S5120V3-LI switch series
Management and maintenance	Loading and upgrading through XModem/FTP/TFTP Zero Touch Provisioning Configuration through CLI, Telnet, and console port SNMPv1/v2c/v3 and Web-based NMS Restful Remote monitoring (RMON) alarm, event, and history recording IMC NMS System log, alarming based on severities, and output of debugging information NTP Ping, Tracert NQA Virtual cable test (VCT) Device link detection protocol (DLDP) Loopback-detection
EMC	FCC Part 15 Subpart B CLASS A ICES-003 CLASS A VCCI CLASS A CISPR 32 CLASS A EN 55032 CLASS A AS/NZS CISPR32 CLASS A CISPR 35 EN 55035 EN 61000-3-2 EN 61000-3-3 GB/T 9254.1
Safety	UL 62368-1 CAN/CSA C22.2 No 62368-1 IEC 62368-1 EN 62368-1 AS/NZS 62368-1 FDA 21 CFR Subchapter J GB 4943.1

Performance Specification

Entries	S5120V3-10P-LI, S5120V3-10P-PWR-LI, S5120V3-28P-HPWR-LI, S5120V3-28S-LI, S5120V3-28S-PWR-LI, S5120V3-28S-HPWR-LI, S5120V3-52S-LI, S5120V3-52S-PWR-LI, S5120V3-28F-LI	S5120V3-20P-LI, S5120V3-28P-LI, S5120V3-28P-PWR-LI, S5120V3-52P-LI, S5120V3-52P-PWR-LI
MAC address entries	16K	8K
Static Mac address	1K	
VLAN table	4094	
VLAN interface	32	
IPv4 routing entries	1024	512

Entries	S5120V3-10P-LI, S5120V3-10P-PWR-LI, S5120V3-28P-HPWR-LI, S5120V3-28S-LI, S5120V3-28S-PWR-LI, S5120V3-28S-HPWR-LI, S5120V3-52S-LI, S5120V3-52S-PWR-LI, S5120V3-28F-LI	S5120V3-20P-LI, S5120V3-28P-LI, S5120V3-28P-PWR-LI, S5120V3-52P-LI, S5120V3-52P-PWR-LI
IPv4 ARP entries	1024	128
IPv4 ACL entries	512	256
IPv4 multicast L2 entries	1000	
IPv6 unicast routing entries	240	16
QOS forward queues	8	
IPv6 ACL entries	256	
IPv6 ND entries	240	64
Jumbo frame length	10000	
MAX num in one link group	8	
Link group num	124	

PoE Power Capacity

Product Name	Total PoE power capacity	PoE Ports Quantity
S5120V3-10P-PWR-LI	125W	15.4W (802.3af): 8 30W (802.3at): 4
S5120V3-28P-PWR-LI	240W	15.4W (802.3af): 15 30W (802.3at): 8
S5120V3-28P-HPWR-LI	370W	15.4W (802.3af): 24 30W (802.3at): 12
S5120V3-52P-PWR-LI	370W	15.4W (802.3af): 24 30W (802.3at): 12
S5120V3-28S-PWR-LI	240W	15.4W (802.3af): 15 30W (802.3at): 8
S5120V3-28S-HPWR-LI	370W	15.4W (802.3af): 24 30W (802.3at): 12
S5120V3-52S-PWR-LI	370W	15.4W (802.3af): 24 30W (802.3at): 12

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

Organization	Standards And Protocols
	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
	802.3u 100BASE-T
	802.3ab 1000BASE-T
	802.3z 1000BASE-X
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)
	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

Organization	Standards And Protocols
	RFC 1583 OSPF Version 2
	RFC 1591 Domain Name System Structure and Delegation
	RFC 1757 Remote Network Monitoring Management Information Base
	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 Advertisment sFlow
	RFC 3416 (SNMP Protocol Operations v2)
	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 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

Organization	Standards And Protocols
	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 5880 Bidirectional Forwarding Detection
	RFC 5905 Network Time Protocol Version 4: Protocol and Algorithms Specification
	RFC 6620 FCFS SAVI
	RFC 6987 OSPF Stub Router Advertisement
	RFC 5381 Experience of Implementing NETCONF over SOAP
ITU	ITU-T Y.1731
	ITU-T Rec G.8032/Y.1344 Mar. 2010

Ordering Information

H3C S5120V3-LI switch series ordering list

Product ID	Product Description
LS-5120V3-10P-LI-GL	H3C S5120V3-10P-LI L2 Ethernet Switch with 8*10/100/1000BASE-T Ports and 2*1000BASE-X SFP Ports,(AC)
LS-5120V3-10P-PWR-LI-GL	H3C S5120V3-10P-PWR-LI L2 Ethernet Switch with 8*10/100/1000BASE-T PoE+ Ports (AC 125W) and 2*1000BASE-X SFP Ports,(AC)
LS-5120V3-20P-LI-GL	H3C S5120V3-20P-LI L2 Ethernet Switch with 16*10/100/1000BASE-T Ports and 4*1000BASE-X SFP Ports,(AC)
LS-5120V3-28P-LI-GL	H3C S5120V3-28P-LI L2 Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1000BASE-X SFP Ports,(AC)
LS-5120V3-28P-PWR-LI-GL	H3C S5120V3-28P-PWR-LI L2 Ethernet Switch with 24*10/100/1000BASE-T PoE+ Ports (AC 240W) and 4*1000BASE-X SFP Ports,(AC)
LS-5120V3-28P-HPWR-LI-GL	H3C S5120V3-28P-HPWR-LI L2 Ethernet Switch with 24*10/100/1000BASE-T PoE+ Ports (AC 370W), 4*100/1000BASE-X SFP Ports, and 4*GE Combo Ports,(AC)
LS-5120V3-52P-LI-GL	H3C S5120V3-52P-LI L2 Ethernet Switch with 48*10/100/1000BASE-T Ports and 4*1000BASE-X SFP Ports,(AC)
LS-5120V3-52P-PWR-LI-GL	H3C S5120V3-52P-PWR-LI L2 Ethernet Switch with 48*10/100/1000BASE-T PoE+ Ports (AC 370W) and 4*1000BASE-X SFP Ports,(AC)
LS-5120V3-28S-LI-GL	H3C S5120V3-28S-LI L2 Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1G/10G BASE-X SFP Plus Ports,(AC)
LS-5120V3-28S-PWR-LI-GL	H3C S5120V3-28S-PWR-LI L2 Ethernet Switch with 24*10/100/1000BASE-T PoE+ Ports and 4*1G/10G BASE-X SFP Plus Ports,(AC)
LS-5120V3-28S-HPWR-LI-GL	H3C S5120V3-28S-HPWR-LI L2 Ethernet Switch with 24*10/100/1000BASE-T PoE+ Ports, 4*100/1000BASE-X SFP Combo Ports, and 4*1G/10G BASE-X SFP Plus Ports,(AC)

Product ID	Product Description
LS-5120V3-52S-LI-GL	H3C S5120V3-52S-LI L2 Ethernet Switch with 48*10/100/1000BASE-T Ports and 4*1G/10G BASE-X SFP Plus Ports,(AC)
LS-5120V3-52S-PWR-LI-GL	H3C S5120V3-52S-PWR-LI L2 Ethernet Switch with 48*10/100/1000BASE-T PoE+ Ports and 4*1G/10G BASE-X SFP Plus Ports,(AC)
LS-5120V3-28F-LI-GL	H3C S5120V3-28F-LI L2 Ethernet Switch with 24*100/1000Base-X Ports, 2*10/100/1000Base-T Combo Ports, 2*1000Base-X SFP Ports and 2*1G/10G Basse-X SFP+ Ports,(AC)
Transceivers	
SFP-GE-SX-MM850-A	1000BASE-SX SFP Transceiver, Multi-Mode (850nm, 550m, LC)
SFP-GE-LX-SM1310-A	1000BASE-LX SFP Transceiver, Single Mode (1310nm, 10km, LC)
SFP-GE-T	SFP GE Copper Interface Transceiver Module (100m,RJ45)
SFP-XG-SX-MM850-E	SFP+ Module(850nm,300m,LC)
SFP-XG-LX-SM1310	SFP+ Module(1310nm,10km,LC)
Cable	
LSWM1STK	SFP+ Cable 0.65m
LSWM2STK	SFP+ Cable 1.2m
LSWM3STK	SFP+ Cable 3m
LSTM1STK	SFP+ Cable 5m

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