

# H3C S1850V2-El Layer 2 Gigabit Access Switch

## Series

Release Date: April, 2024

New H3C Technologies Co., Limited



## H3C S1850V2-El Layer 2 Gigabit Access Switch Series Product Overview

H3C S1850V2-EI series Ethernet switch is the layer 2 Gigabit access switch with GE up-link ports, it is developed and designed by New H3C Technologies Co., Ltd. (H3C) especially for meeting high-performance network requirements. Based on the high-performance access, it offers abundant security access policies and enhanced network manageability and maintenance. This makes it ideal for diversified network building scenarios, including government, small and medium-sized enterprises, general and vocational education, security monitoring, and hotels. H3C S1850V2-EI Ethernet switch series includes the following models:

- S1850V2-10P-EI: 8\*10/100/1000TX + 2\*SFP
- S1850V2-28P-EI: 24\*10/100/1000TX + 4\*SFP
- S1850V2-28P-HPWR-EI: 24\*10/100/1000TX + 4\*SFP
- S1850V2-52P-EI: 48\*10/100/1000TX + 4\*SFP
- S1850V2-10P-HPWR-EI: 8\*10/100/1000TX + 2\*SFP



S1850V2-10P-EI



S1850V2-28P-EI





#### S1850V2-52P-EI



#### S1850V2-28P-HPWR-EI



S1850V2-10P-HPWR-EI

## **Product features**

#### Multi-type port access

H3C S1850V2-EI switch series comes with standard full Gigabit electrical ports and optical ports, making it a good fit for complex network environments and network expansion.

#### Simplified Web management

H3C S1850V2-EI switch series provides convenient and intelligent Web management with visual port configuration and easy-to-operate pages.

#### Abundant features

H3C S1850V2-EI switch series supports abundant software features such as VLAN division, 802.3x, link aggregation, and IGMP Snooping.



### High reliability

H3C S1850V2-EI switch series supports STP/RSTP/MSTP link protection, built-in loopback test, cable detection, and remote loopback detection.

## Comprehensive security control policies

H3C S1850V2-EI switch series supports DoS attack detection, ARP anti-attack, TCP attack defense, and port security functions.

## Green and energy-saving design

H3C S1850V2-EI switch series implements the built-in intelligent port speed limit and energy-saving hibernation functions, and the whole device adopts various green energy-saving designs. It is also compliant with the EU RoHS standard for material environmental protection and safety. The S1850V2-10P-EI, S1850V2-10P-HPWR-EI and S1850V2-28P-EI switches are fan-less design, significantly reduce devices power consumption and noise.

## Power over Ethernet (PoE+)

The PWR model of H3C S1850V2-EI switch series supports enhanced power over Ethernet (PoE+) with a maximum power supply of 370W for the whole device and a maximum output power of 30W for a single port.

Feature	S1850V2-10P-EI	S1850V2-28P-EI	S1850V2-52P-EI	S1850V2-28P- HPWR-EI	S1850V2-10P- HPWR-EI
Switching capacity	20 Gbps	56 Gbps	104 Gbps	56 Gbps	20 Gbps
Forwarding capacity	15Mpps	42 Mpps	78 Mpps	42 Mpps	15Mpps
CPU	1 Core, 800MHz				
Flash/SDRAM	256MB/512MB				
Dimensions (W × D × H)	266×161×43.6m m	440×160×43.6m m	440×230×43.6mm	440×260×43.6m m	330×230×43.6m m
Weight	≤ 1.5 kg	≤ 2.5 kg	≤ 3.5 kg	≤ 6 kg	≤ 3 kg
Management port	1 console port	1	1		
Networking interface	8 10/100/1000Bas e-T electrical ports 2 1000Base-X SFP optical port	24 10/100/1000Bas e-T electrical ports 4 1000Base-X SFP optical port	48 10/100/1000Base- T electrical ports 4 1000Base-X SFP optical port	24 10/100/1000Bas e-T electrical ports 4 1000Base-X SFP optical port	8 10/100/1000Bas e-T electrical ports 2 1000Base-X SFP optical port
Port Surge	6KV	6KV	6KV	6KV	6KV

## **Hardware Specifications**

#### H3C S1850V2-El Layer 2 Gigabit Access Switch Series

Feature	S1850V2-10P-EI	S1850V2-28P-EI	S1850V2-52P-EI	S1850V2-28P- HPWR-EI	S1850V2-10P- HPWR-EI
Input voltage	AC: The rated volta	ge range is 100V to	240V, 50/60Hz.		
Total power consumption	MIN: AC: 8W MAX: AC: 15W	MIN: AC: 9W MAX: AC: 23W	MIN: AC: 18W MAX: AC: 41W	MIN: AC: 19W MAX: AC: 448W (PoE 370W)	MIN: AC: 14W MAX: AC: 156W (PoE 125W)
Fan number	Fan-less	Fan-less	1	1	Fan-less
MTBF(Year)	140.82	150.86	115.68	52.81	117.08
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)				
Storage temperature	-40°C ~ 70°C				
Relative humidity (non-condensing)	5% RH to 95% RH, non-condensing				

## Software Specifications

Feature	S1850V2-El switch series
Dent en en estien	GE port aggregation
Port aggregation	Dynamic aggregation Static aggregation
Broadcast/Multic	Storm suppression based on port bandwidth percentage Storm suppression based on PPS
ast/Unicast storm suppression	Storm suppression based on BPS
	Broadcast traffic/Multicast traffic/Unknown unicast traffic suppression 802.3x traffic control and half-duplex backpressure
Ethernet features	Green Ethernet (EEE)
	Automatic port energy-saving
MAC address table	Static MAC address Blackhole MAC address Setting the maximum number of port MAC addresses to be learned
	Port-based VLAN MAC-based VLAN
VLAN	VLAN mapping MVRP
	Voice VLAN*

HBC



Feature	S1850V2-El switch series		
	DHCP Client		
	DHCP Snooping		
DHCP	DHCP Snooping option82		
	DHCP Relay		
	DHCP auto-config		
VLAN interface	Both IPv4 and IPv6 supported		
4.55	ARP Detection		
ARP	ARP speed limit		
IP routing	Static routing		
	IGMP Snooping V2/V3		
Multicast	PIM Snooping		
Wullicast	MLD Snooping		
	Multicast VLAN		
Layer 2 ring	STP/RSTP/MSTP/PVST/PVST+		
network protocol	BPDU protection/root protection/loopback protection/protection against TC-BPDU attack		
	Packet filtering at Layer 2 through layer 4 Traffic classification based on source MAC addresses,		
	destination MAC addresses, source IPv4/IPv6 addresses,		
ACL	Time range-based ACL		
	VLAN-based ACL		
	Bidirectional ACL		
	Port rate limit (receiving and transmitting)		
	Packet redirection		
QoS	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		
	Port mirroring		
Mirroring	Traffic mirroring		
	RSPAN		



Feature	S1850V2-EI switch series
	Hierarchical user management and password protection
	AAA authentication support
	RADIUS authentication
	HWTACACS
	SSH2.0
Security	Port isolation
	802.1X authentication, centralized MAC authentication
	Port security
	IP/Port/MAC binding
	IP Source Guard
	HTTPs
	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
Management and maintenance	Remote monitoring (RMON ) alarm, event, and history recording
	IMC NMS
	System log, alarming based on severities, and output of debugging information
maintenance	NTP
	Ping, Tracert
	NQA
	Virtual cable test (VCT)
	Device link detection protocol (DLDP)
	Loopback-detection

\*Voice VLAN is supported since R6351P06.

## **Performance Specification**

Entries	S1850V2-10P-EI, S1850V2-10P-HPWR-EI,	S1850V2-52P-EI	S1850V2-28P-EI, S1850V2-28P-HPWR-EI
MAC address entries	16K	8К	8К
Static Mac address	1К		
VLAN table	4094		
VLAN interface	32		
IPv4 routing entries	32	32	32
IPv4 ARP entries	128		
IPv4 ACL entries	512	512	256

Entries	S1850V2-10P-EI, S1850V2-10P-HPWR-EI,	S1850V2-52P-EI	S1850V2-28P-EI, S1850V2-28P-HPWR-EI
IPv4 multicast L2 entries	1000		
IPv6 unicast routing entries	16		
QOS forward queues	8		
IPv6 ACL entries	256		
IPv6 ND entries	64		
Jumbo frame length	10000		
MAX num in one link group	8		
Link group num	24		

## PoE Power Capacity

Product Name	Total PoE power capacity	PoE Ports Quantity
	27014	15.4W (802.3af): 24
S1850V2-28P-HPWR-EI	370W	30W (802.3at): 12
	10514	15.4W (802.3af): 8
S1850V2-10P-HPWR-EI	125W	30W (802.3at): 4

## **Standards and Protocols Compliance**

Organization	Standards And Protocols
	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
IEEE	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

HBO

#### H3C S1850V2-El Layer 2 Gigabit Access Switch Series



802.3u 1008ASE-T         802.3ab 1000BASE-X         802.3z 1000BASE-X         RFC 768 User Datagram Protocol (UDP)         RFC 7791 Internet Protocol (IP)         RFC 792 Internet Control Message Protocol (ICMP)         RFC 793 Transmission Control Protocol (ICP)         RFC 813 Window and Acknowledgement Strategy in TCP         RFC 811 P datagram reassembly algorithms         RFC 826 Address Resolution Protocol (ARP)         RFC 826 Congestion control in IP/TCP internetworks         RFC 917 Internet subnets         RFC 919 Broadcasting Internet Datagrams         RFC 1027 Proxy ARP         RFC 1027 Proxy ARP         RFC 1122 Requirements for Internet Hosts - Communications Layers         RFC 1122 Requirements for Internet Hosts - Communications Layers         RFC 1122 Requirements for Internet Hosts - Communications Layers         RFC 1125 COVP ROVERY Messages         RFC 1125 COVP Rovery Messages         RFC 1125 COVERTION for defining traps for use with the SIMMP         RFC 1130 TFTP Protocol (revision 2)	Organization	Standards And Protocols	
B02.3z 1000BASE-X           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 820 Path MTU Discovery for IP version 6           RFC 826 Address Resolution Protocol (ARP)           RFC 896 Congestion control in IP/TCP internetworks           RFC 917 Internet subnets           RFC 928 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)           RFC 1027 Proxy ARP           RFC 1213 MIP-2 Stands for Management Information Base           RFC 1215 Convention for defining traps for use with the SNMP           RFC 130 TFP Protocol (revision 2)           <		802.3u 100BASE-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 813 Window and Acknowledgement Strategy in TCP         RFC 814 Datagram reassembly algorithms           RFC 8201 Path MTU Discovery for IP version 6         RFC 8201 Path MTU Discovery for IP version 6           RFC 826 Address Resolution Protocol (ARP)         RFC 826 Congestion control in IP/TCP Internetworks           RFC 917 Internet subnets         RFC 919 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)           RFC 922 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)         RFC 915 BOOTP           RFC 122 Requirements for Internet Hosts - Communications Layers         RFC 1213 MIB-2 Stands for Management Information Base           RFC 122 Scouter Using an IP Option         RFC 1330 Traceroute Using an IP Option           RFC 139 Traceroute Using an IP Option         RFC 1392 Traceroute Using an IP Option           RFC 1591 Domain Name System Structure and Delegation         RFC 1591 Demain Name System Structure and Delegation           RFC 1591 Requirements for IP Version 4 Router         RFC 1918 Address Allocation for Private Internet           RFC 1918 Address Allocation for Private Internet         RFC 1918 Domain Name System Structure and Delegation		802.3ab 1000BASE-T	
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 8201 Path MTU Discovery for IP version 6         RFC 8201 Path MTU Discovery for IP version 6         RFC 8207 CP maximum segment size and related topics         RFC 8217 Internet subnets         RFC 919 Broadcasting Internet Datagrams         RFC 921 Broadcasting Internet Datagrams         RFC 922 Broadcasting Internet Datagrams         RFC 1027 Proxy ARP         RFC 1122 Requirements for Internet Hosts - Communications Layers         RFC 1225 Growention for defining traps for use with the SNMP         RFC 1309 Traceroute Using an IP Option         RFC 1391 Casselss Inter-Domain Routing (CIDR)         RFC 1392 Dompi Extensions         RFC 1392 Domain Name System Structure and Delegation         RFC 1316 Quarements for IP Version 4 Router         RFC 1318 Address Allocation for Private Internet         RFC 1310 Dynamic Host Configuration Protocol (DHCP)		802.3z 1000BASE-X	
IETF         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 826 Address Resolution Protocol (ARP)           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 921 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)         RFC 922 Broadcasting Internet Hosts - Communications Layers           RFC 1027 Proxy ARP         RFC 1122 Requirements for Internet Hosts - Communications Layers           RFC 1122 Requirements for Internet Hosts - Communications Layers         RFC 1215 Convention for defining traps for use with the SNMP           RFC 1350 TFTP Protocol (revision 2)         RFC 1350 TFTP Protocol (revision 2)         RFC 1393 Traceroute Using an IP Option           RFC 1519 Classless Inter-Domain Routing (CIDR)         RFC 1519 Classless Inter-Domain Routing (CIDR)         RFC 1519 Classless Inter-Domain Routing (CIDR)           RFC 1519 Domain Name System Structure and Delegation         RFC 1519 Classless Inter-Domain Routing (CIDR)         RFC 1519 Classless Inter-Domain Routing (CIDR)           RFC 1519 Domain Name System Structure and Delegation         RFC 1		RFC 768 User Datagram Protocol (UDP)	
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 826 Address Resolution Protocol (ARP)         RFC 879 TCP maximum segment size and related topics         RFC 879 TCP maximum segment size and related topics         RFC 896 Congestion control in IP/TCP internetworks         RFC 917 Internet subnets         RFC 918 Broadcasting Internet Datagrams         RFC 921 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)         RFC 951 BOOTP         RFC 1027 Proxy ARP         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 1390 TFTP Protocol (revision 2)         RFC 1393 Traceroute Using an IP Option         RFC 1519 Classless Inter-Domain Routing (CIDR)         RFC 1591 Domain Name System Structure and Delegation         RFC 1591 Domain Name System Structure and Delegation         RFC 1757 Remote Network Monitoring Management Information Base         RFC 1918 Address Allocation for Privat		RFC 791 Internet Protocol (IP)	
RFC 813 Window and Acknowledgement Strategy in TCP         RFC 815 IP datagram reassembly algorithms         RFC 8201 Path MTU Discovery for IP version 6         RFC 8201 Path MTU Discovery for IP version 6         RFC 8201 Path MTU Discovery for IP version 6         RFC 879 TCP maximum segment size and related topics         RFC 879 TCP maximum segment size and related topics         RFC 896 Congestion control in IP/TCP internetworks         RFC 917 Internet subnets         RFC 918 Broadcasting Internet Datagrams         RFC 919 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)         RFC 922 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)         RFC 1027 Proxy ARP         RFC 1027 Proxy ARP         RFC 1122 Requirements for Internet Hosts - Communications Layers         RFC 1213 MIB-2 Stands for Management Information Base         RFC 1256 ICMP Router Discovery Messages         RFC 1330 TFTP Protocol (revision 2)         RFC 1330 TFTP Protocol (revision 2)         RFC 1519 Classless Inter-Domain Routing (CIDR)         RFC 1521 Domain Name System Structure and Delegation         RFC 1757 Remote Network Monitoring Management Information Base         RFC 1812 Requirements for IP Version 4 Router         RFC 1812 Requirements for IP Version 4 Router         RFC 1812 Requirements for IP Version 4 Router		RFC 792 Internet Control Message Protocol (ICMP)	
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 879 TCP maximum segment size and related topics         RFC 879 TCP maximum segment size and related topics         RFC 879 TCP maximum segment size and related topics         RFC 917 Internet subnets         RFC 919 Broadcasting Internet Datagrams         RFC 921 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 1256 ICMP Router Discovery Messages         RFC 1350 TFTP Protocol (revision 2)         RFC 1350 TFTP Protocol (revision 2)         RFC 1519 Classless Inter-Domain Routing (CIDR)         RFC 1512 Domain Name System Structure and Delegation         RFC 1512 Requirements for IP Version 4 Router         RFC 1518 Address Allocation for Private Internet         RFC 1310 Dynamic Host Configuration Protocol (DLCP)		RFC 793 Transmission Control Protocol (TCP)	
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 1256 ICMP Router Discovery Messages         RFC 1350 TFTP Protocol (revision 2)         RFC 1393 Traceroute Using an IP Option         RFC 1519 Domain Name System Structure and Delegation         RFC 1577 Remote Network Monitoring Management Information Base         RFC 1512 Requirements for IP Version 4 Router         RFC 1512 Requirements for IP Version 4 Router		RFC 813 Window and Acknowledgement Strategy in TCP	
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 1256 ICMP Router Discovery Messages         RFC 1590 TFP Protocol (revision 2)         RFC 1590 TFP Protocol (revision 2)         RFC 1591 Domain Name System Structure and Delegation         RFC 1512 Requirements for IP Version 4 Router         RFC 1518 Requirements for IP Version 4 Router         RFC 1512 Requirements for IP Version 4 Router         RFC 1512 Requirements for IP Version 4 Router         RFC 1310 Dynamic Host Configuration Protocol (DHCP)		RFC 815 IP datagram reassembly algorithms	
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 1256 ICMP Router Discovery Messages         RFC 1300 TFIP Protocol (revision 2)         RFC 1591 Classless Inter-Domain Routing (CIDR)         RFC 1591 Domain Name System Structure and Delegation         RFC 1591 Domain Name System Structure and Delegation         RFC 1918 Address Allocation for Private Internet         RFC 1918 Address Allocation for Private Internet         RFC 1918 Address Allocation Protocol (DHCP)		RFC 8201 Path MTU Discovery for IP version 6	
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 921 BOOTP         RFC 1027 Proxy ARP         RFC 1212 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 1330 TFFP Protocol (revision 2)         RFC 1519 Classless Inter-Domain Routing (CIDR)         RFC 1542 BOOTP Extensions         RFC 1591 Domain Name System Structure and Delegation         RFC 1512 Requirements for IP Version 4 Router         RFC 1512 Requirements for IP Version 4 Router         RFC 1513 Dynamic Host Configuration Protocol (DHCP)		RFC 826 Address Resolution Protocol (ARP)	
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         IETF         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 1591 Domain Name System Structure and Delegation         RFC 1757 Remote Network Monitoring Management Information Base         RFC 1918 Address Allocation for Private Internet         RFC 1918 Address Allocation for Private Internet         RFC 1311 Dynamic Host Configuration Protocol (DHCP)		RFC 879 TCP maximum segment size and related topics	
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 1393 Traceroute Using an IP Option         RFC 1519 Classless Inter-Domain Routing (CIDR)         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 896 Congestion control in IP/TCP internetworks	
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 1519 Classless Inter-Domain Routing (CIDR)         RFC 1542 BOOTP Extensions         RFC 1551 Domain Name System Structure and Delegation         RFC 1812 Requirements for IP Version 4 Router         RFC 1812 Requirements for IP Version 4 Router         RFC 1918 Address Allocation for Private Internet         RFC 2131 Dynamic Host Configuration Protocol (DHCP)		RFC 917 Internet subnets	
RFC 951 BOOTP         RFC 1027 Proxy ARP         IETF         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 1591 Domain Name System Structure and Delegation         RFC 1812 Requirements for IP Version 4 Router         RFC 1918 Address Allocation for Private Internet         RFC 1911 Dynamic Host Configuration Protocol (DHCP)		RFC 919 Broadcasting Internet Datagrams	
RFC 1027 Proxy ARP         IETF       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 1591 Domain Name System Structure and Delegation         RFC 1812 Requirements for IP Version 4 Router         RFC 1918 Address Allocation for Private Internet         RFC 2131 Dynamic Host Configuration Protocol (DHCP)		RFC 922 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)	
IETF 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 1591 Domain Name System Structure and Delegation RFC 1757 Remote Network Monitoring Management Information Base RFC 1918 Address Allocation for Private Internet RFC 2131 Dynamic Host Configuration Protocol (DHCP)		RFC 951 BOOTP	
RFC 1213 MIB-2 Stands for Management Information BaseRFC 1215 Convention for defining traps for use with the SNMPRFC 1256 ICMP Router Discovery MessagesRFC 1350 TFTP Protocol (revision 2)RFC 1393 Traceroute Using an IP OptionRFC 1519 Classless Inter-Domain Routing (CIDR)RFC 1542 BOOTP ExtensionsRFC 1591 Domain Name System Structure and DelegationRFC 1757 Remote Network Monitoring Management Information BaseRFC 1812 Requirements for IP Version 4 RouterRFC 1918 Address Allocation for Private InternetRFC 2131 Dynamic Host Configuration Protocol (DHCP)		RFC 1027 Proxy ARP	
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 1591 Domain Name System Structure and Delegation         RFC 1757 Remote Network Monitoring Management Information Base         RFC 1918 Address Allocation for Private Internet         RFC 1913 Dynamic Host Configuration Protocol (DHCP)	IETF	RFC 1122 Requirements for Internet Hosts - Communications Layers	
RFC 1256 ICMP Router Discovery MessagesRFC 1350 TFTP Protocol (revision 2)RFC 1393 Traceroute Using an IP OptionRFC 1519 Classless Inter-Domain Routing (CIDR)RFC 1542 BOOTP ExtensionsRFC 1591 Domain Name System Structure and DelegationRFC 1757 Remote Network Monitoring Management Information BaseRFC 1812 Requirements for IP Version 4 RouterRFC 1918 Address Allocation for Private InternetRFC 2131 Dynamic Host Configuration Protocol (DHCP)		RFC 1213 MIB-2 Stands for Management Information Base	
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 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 1215 Convention for defining traps for use with the SNMP	
RFC 1393 Traceroute Using an IP OptionRFC 1519 Classless Inter-Domain Routing (CIDR)RFC 1542 BOOTP ExtensionsRFC 1591 Domain Name System Structure and DelegationRFC 1757 Remote Network Monitoring Management Information BaseRFC 1812 Requirements for IP Version 4 RouterRFC 1918 Address Allocation for Private InternetRFC 2131 Dynamic Host Configuration Protocol (DHCP)		RFC 1256 ICMP Router Discovery Messages	
RFC 1519 Classless Inter-Domain Routing (CIDR) RFC 1542 BOOTP Extensions 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 1350 TFTP Protocol (revision 2)	
RFC 1542 BOOTP Extensions 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 1393 Traceroute Using an IP Option	
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 1519 Classless Inter-Domain Routing (CIDR)	
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 1542 BOOTP Extensions	
RFC 1812 Requirements for IP Version 4 Router RFC 1918 Address Allocation for Private Internet RFC 2131 Dynamic Host Configuration Protocol (DHCP)		RFC 1591 Domain Name System Structure and Delegation	
RFC 1918 Address Allocation for Private Internet RFC 2131 Dynamic Host Configuration Protocol (DHCP)		RFC 1757 Remote Network Monitoring Management Information Base	
RFC 2131 Dynamic Host Configuration Protocol (DHCP)		RFC 1812 Requirements for IP Version 4 Router	
		RFC 1918 Address Allocation for Private Internet	
RFC 2132 DHCP Options and BOOTP Vendor Extensions		RFC 2131 Dynamic Host Configuration Protocol (DHCP)	
		RFC 2132 DHCP Options and BOOTP Vendor Extensions	
RFC 2273 SNMPv3 Applications		RFC 2273 SNMPv3 Applications	
RFC 2375 IPv6 Multicast Address Assignments		RFC 2375 IPv6 Multicast Address Assignments	





Organization	Standards And Protocols
	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 2925 Definitions of Managed Objects for Remote Ping, Traceroute, and Lookup Operations
	RFC 3046 DHCP Relay Agent Information Option
	RFC 3056 Connection of IPv6 Domains via IPv4 Clouds
	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 3580 IEEE 802.1X Remote Authentication Dial In User Service (RADIUS) Usage Guidelines
	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 4861 IPv6 Neighbor Discovery
	RFC 4862 IPv6 Stateless Address Auto-configuration
	RFC 5095 Deprecation of Type 0 Routing Headers in IPv6
	RFC 5424 Syslog Protocol
	RFC 5880 Bidirectional Forwarding Detection



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

## Ordering information

#### H3C S1850V2 switch series ordering list

Product ID	Product Description
LS-1850V2-10P-EI-GL	H3C S1850V2-10P-EI L2 Ethernet Switch with 8*10/100/1000BASE-T Ports and 2*1000BASE-X SFP Ports,(AC)
LS-1850V2-28P-EI-GL	H3C S1850V2-28P-EI L2 Ethernet Switch with 24*10/100/1000BASE-T Ports and 4*1000BASE-X SFP Ports,(AC)
LS-1850V2-28P-HPWR-EI-GL	H3C S1850V2-28P-HPWR-EI L2 Ethernet Switch with 24*10/100/1000BASE-T PoE+ Ports (AC 370W) and 4*1000BASE-X SFP Ports,(AC)
LS-1850V2-52P-EI-GL	H3C S1850V2-52P-EI L2 Ethernet Switch with 48*10/100/1000BASE-T Ports and 4*1000BASE-X SFP Ports,(AC)
LS-1850V2-10P-HPWR-EI-GL	H3C S1850V2-10P-HPWR-EI L2 Ethernet Switch with 8*10/100/1000BASE-T PoE+ Ports (AC 125W) and 2*1000BASE-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)



#### New H3C Technologies Co., Limited

НЗС

Beijing Headquarters Tower 1, LSH Center, 8 Guangshun South Street, Chaoyang District, Beijing, China Zip: 100102 Hangzhou Headquarters

The Leader in Digital Solutions No.

No.466 Changhe Road, Binjiang District, Hangzhou, Zhejiang, China Zip: 310052 Tel: +86-571-86760000 Copyright ©2024 New H3C Technologies Co., Limited Reserves all rights

Disclaimer: Though H3C strives to provide accurate information in this document, we cannot guarantee that details do not

contain any technical error or printing error. Therefore, H3C cannot accept responsibility for any inaccuracy in this document.

H3C reserves the right for the modification of the contents herein without prior notification

#### http://www.h3c.com