

H3C S1850V3-HI Series L2 Managed Switches

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New H3C Technologies Co., Limited

Product overview

The H3C S1850V3-HI Series Ethernet switches are Layer 2 managed switches with 2.5G optical uplink ports, independently researched, developed and designed by New H3C Technologies Co., Ltd. for the SMB market. They are widely applicable to network construction scenarios across various industries, including small and medium-sized enterprises, general and vocational education, medium-to-large retail and commercial complexes, healthcare, and hotels.



S1850V3-10P-HI



S1850V3-10P-HPWR-HI



S1850V3-20P-HI



S1850V3-20P-HPWR-HI



S1850V3-28P-HI



S1850V3-28P-HPWR-HI

Product benefits

Multiple Port Types

The H3C S1850V3-HI Series switches support Gigabit copper ports and 2.5G optical ports, offering rich port types to enhance networking flexibility;

All ports feature Gigabit line rate forwarding capability, meeting diverse user needs.

Convenient WEB Management

The H3C S1850V3-HI Series switches provide convenient and intelligent WEB management with visual port configuration, featuring a simple and easy-to-operate interface;

Rich Function Features

The H3C S1850V3-HI Series switches support rich software functions such as VLAN division, 802.3x, link aggregation, and IGMP Snooping;

They support port rate limiting and flow rate limiting functions to prevent malicious occupation of network bandwidth, providing various refined management methods;

High availability designs

The H3C S1850V3-HI Series switches support STP/RSTP/MSTP link protection technologies and built-in features like loopback test, cable detection, and remote loopback detection;

Hardware (HW) supports a RESET button for recovering the switch to normal operation, reconfiguring the switch, and use during network outage troubleshooting;

Green & energy-saving designs

The H3C S1850V3-HI Series switches have a built-in intelligent port rate limiting mechanism and the overall system uses various green energy-saving designs; the product complies with the EU RoHS standard for material environmental protection and safety.

Power over Ethernet (PoE+) Capability

The PoE models of the H3C S1850V3-HI Series support PoE+ on Gigabit copper ports, with a maximum single-port output power of 35W.

*Built-in Network Management Software

* Built-in network management software supports unified network management, integrated management of wireless, switches, routers, etc., and provides free operations and simplified deployment capabilities for small CT scenarios. The S1850V3-HI Series can connect as a managed device for easy maintenance.

AI PoE Function

The H3C S1850V3-HI Series switches support the AI PoE function. AI PoE (Intelligent Power Supply System) innovatively integrates AI technology into the design and R&D of PoE switches. Through the combination of software and hardware, it enables: intelligent PD power supply management, intelligent power management, intelligent alarm logs, intelligent PoE security, intelligent fast reboot, intelligent Perpetual PoE, and long reach (LR) PoE functions.

*Additionally, the S1850V3-HI Series supports the PoE Watchdog function, which can automatically detect port device connections. When a communication failure occurs on a port, the corresponding port's PoE will automatically detect and reboot it to restore operation.

Technical specifications

Attribute	S1850V3-10P-HI	S1850V3-10P-HPWR-HI	S1850V3-20P-HI	S1850V3-20P-HPWR-HI	S1850V3-28P-HI	S1850V3-28P-HPWR-HI
Switching capacity	56G	56G	56G	56G	68G	68G
Packet Forwarding Rate	41.7Mpps	41.7Mpps	41.7Mpps	41.7Mpps	41.7Mpps	41.7Mpps
Management Port	1 Console Port					
Fixed Ports	8 10/100/1000BASE-T copper ports + 2 1G/2.5G BASE-X SFP ports	8 10/100/1000BASE-T PoE+ copper ports + 2 1G/2.5G BASE-X SFP ports	16 10/100/1000BASE-T copper ports + 4 1G/2.5G BASE-X SFP ports	16 10/100/1000BASE-T PoE+ copper ports + 4 1G/2.5G BASE-X SFP ports	24 10/100/1000BASE-T copper ports + 4 1G/2.5G BASE-X SFP ports	24 10/100/1000BASE-T PoE+ copper ports + 4 1G/2.5G BASE-X SFP ports
Power Consumption	≤10W	Max: 156W (PoE Power 130W)	≤15W	MAX: 299W (PoE Power 255W)	≤ 15W	MAX: 474W (PoE Power 410W)
Rated input voltage	AC: 100V~240V, 50-60Hz	AC: 100V~240V, 50-60Hz	AC: 100V~240V, 50-60Hz	AC: 100V~240V, 50-60Hz	AC:100-240V,50/60Hz	AC:100-240V,50/60Hz
Maximum input voltage	AC: 90V~264V, 47-63Hz	AC: 90V~264V, 47-63Hz	AC: 90V~264V, 47-63Hz	AC: 90V~290V, 47-63Hz	AC:90-264V,47-63Hz	AC:90-290V,47-63Hz
Dimensions (L × W × H) (Unit: mm)	266*160*43.6mm	330*230*43.6mm	330*230*43.6mm	440*260*43.6mm	440*160*43.6mm	440*260*43.6mm
Copper Port attribute	Copper Port attribute Supports half duplex, full duplex, and auto-negotiation modes					
Ethernet Features	Supports LLDP Static MAC Configuration Supports port mirroring function Supports port aggregation (max. 8 ports per aggregation group, max. 8 aggregation groups)					

Attribute	S1850V3-10P-HI	S1850V3-10P-HPWR-HI	S1850V3-20P-HI	S1850V3-20P-HPWR-HI	S1850V3-28P-HI	S1850V3-28P-HPWR-HI
	Supports port isolation Supports IEEE 802.3ad (Dynamic Link Aggregation LACP), Static Port Aggregation					
User access	Supports 802.1X Authentication Supports MAC Authentication Supports Portal Authentication					
QoS	Supports SP/WRR/SP+WRR queue scheduling Supports 802.1p Supports Port Rate Limiting					
Security	Supports user hierarchical management and password protection Supports SSH, providing a secure encrypted channel for user login Supports broadcast packet suppression Supports black hole MAC Supports limiting the number of MAC addresses per port Supports SSL Supports ERPS Supports Dying Gasp(Only S1850V3-20P-HPWR-HI & S1850V3-28P-HPWR-HI supported.)					
Management and Monitoring	WEB Page Configuration Supports CLI (command line) FTP, TFTP, Xmodem file upload/download management					
System management	Supports FTP, SFTP file upload/download management Supports SNMP V1/V2/V3 Supports NTP Clock Supports System Operation Log					
Temperature	Operating temperature: -5~50°C					

* indicates future support; the current version does not support this yet.

Ordering information

Please select the configured chassis according to the specific product model.

Description	Quantity	Remarks
S1850V3-10P-HI Host	1	
S1850V3-10P-HPWR-HI Host	1	
S1850V3-20P-HI Host	1	
S1850V3-20P-HPWR-HI Host	1	
S1850V3-28P-HI Host	1	
S1850V3-28P-HPWR-HI Host	1	



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