

H3C S5800 SERIES FLEX CHASSIS SWITCHES



S5800-32F

S5800-32C

S5800-32C-PWR

S5800-56C

S5800-56C-PWR

S5800-60C-PWR

OVERVIEW

The H3C® S5800 Series is a revolutionary new line of Flex Chassis Switches. These Switches deliver a combination of unmatched Gigabit Ethernet and 10 Gigabit Ethernet port density, high-availability architecture, and full Layer 2 and Layer 3 dual-stack IPv4 and IPv6 support. S5800 Series Flex Chassis Switches feature line-rate performance and are optimized for deployment in building or department network cores, or the aggregation and access layers of enterprise campus networks.

The S5800 Series includes 1RU and 2RU platforms with 10 Gigabit Ethernet and Gigabit Ethernet copper and/or fiber connectivity coupled with redundant, fully hot-swappable power supplies and fans typically found in modular core platforms. The 2RU S5800-60C-PWR also features two front-facing expansion slots that can dramatically increase 10 Gigabit Ethernet or Gigabit Ethernet port density for even greater deployment flexibility and network infrastructure investment protection.

The S5800 Series accommodates the most demanding enterprise networking applications. These switches offer the highest levels of resiliency and secure connectivity, as well as the latest traffic-prioritization technologies to optimize applications and ensure business continuity in converged networks. Additionally, some models feature 802.3af Power over Ethernet (PoE), with support for mid power of up to 30W per port and are PoE+ ready.

Using H3C Intelligent Resilient Framework (IRF™) technology and Rapid Ring Protection Protocol (RRPP), local or geographically distributed S5800 Series switches can be interconnected to deliver higher resiliency and performance to ensure business continuity and enhance disaster recovery applications.

The S5800 Series is built on the enterprise-tested and -proven Comware® Operating System, which is the foundation for H3C's comprehensive, end-to-end portfolio, including its modular and stackable switches, enterprise routers and security appliances. Additionally, the S5800 Series is managed by H3C's unified and modular network management platform, Intelligent Management Center (IMC). Both work in concert to

deliver a consistent operational interface that simplifies deployment and streamlines training to reduce operating expenses and deliver a more reliable network.

The H3C S5800 Series comprises models that are ideal for:

- › High-performance, high-density building or department core, as part of a consolidated network
- › High-performance Layer 3, 10 Gigabit Ethernet aggregation switch in a three-tier campus network
- › High-performance, high-density Gigabit Ethernet PoE switch with 10 Gigabit Ethernet uplinks for the network access layer

S5800 Series Models and Platforms

S5800-60C-PWR

- › 2RU high
- › Fixed 48 × 10/100/1000Base-T ports with available PoE
- › 4 100/1000Base-X SFP ports
- › 2 front-facing expansion module slots
- › An Open Application Architecture (OAA) Module Slot

S5800-56C/S5800-56C-PWR

- › Fixed 48 × 10/100/1000Base-T ports with available PoE
- › 4 SFP+ 10 Gigabit Ethernet ports
- › An expansion module slot

S5800-32C/S5800-32C-PWR

- › Fixed 24 × 10/100/1000Base-T ports with available PoE
- › 4 SFP+ 10 Gigabit Ethernet ports
- › An expansion module slot

S5800-32F

- › Fixed 24 × 100/1000Base-X SFP ports
- › 4 SFP+ 10 Gigabit Ethernet ports
- › An expansion module slot

Each expansion module slot on an S5800 Series Flex Chassis Switch can accommodate two- or four-port SFP+ 10 Gigabit Ethernet/Gigabit Ethernet modules, a 16-port 10/100/1000Base-T or 16-port 100/1000Base-X SFP modules.

KEY BENEFITS

Lower TCO by Design

The S5800 Series enhances H3C's end-to-end enterprise portfolio. With its resilient design, flexible and high-density port configurations, and rich feature set, the S5800 has the ability to collapse network layers and serve as a network core for a building or department, as well as a high-performance switch in the convergence layer or network edge. Leveraging next-generation merchant silicon and architecture, the S5800 Series is highly efficient, which contributes to lower power consumption for operation and cooling. S5800 Series Flex Chassis Switches are built on open standards to simplify integration and increase operational efficiency. Additionally, extensible embedded application capabilities enable S5800 Series switches to integrate services into the network, consolidating devices and appliances to simplify deployment and reduce operational expenses related to power consumption and rack space.

Future-Proof Architecture

S5800 Series switches help customers protect their network infrastructure investments through a resilient chassis-like architecture, seamless transitions from Gigabit Ethernet to 10 Gigabit Ethernet throughput and support for new applications as well as protocols such as IPv6. Embedded application capabilities enable the S5800 Series to integrate services into the network, speeding time to market and adding services where they are needed in the network as it evolves.

Defense-in-Depth Security

S5800 Series Flex Chassis Switches help customers protect their networks and critical information as part of a comprehensive Defense-in-Depth security strategy. Working in concert with H3C and TippingPoint® security platforms, S5800 Series switches serve as a powerful security enforcement points, limiting bandwidth to certain applications or shutting down ports altogether.

FEATURES

Enterprise-Class Performance

High Density Gigabit Ethernet and 10 Gigabit Ethernet Connectivity for Flexibility and Growth

The S5800 Series consists of six models, led by the S5800-60C-PWR, which is a 2RU Flex Chassis switch that features 48 fixed copper Gigabit Ethernet ports, four SFP ports and two expansion slots with the ability to add up to eight 10 Gigabit Ethernet SFP+ ports or up to 32 additional copper or fiber Gigabit Ethernet ports. S5800 Series switches also feature platforms that offer 24 and 48 copper Gigabit Ethernet ports with available PoE, and a 24-port Gigabit Ethernet fiber (SFP) model. These switches feature one expansion slot that enables users to increase the number of 10 Gigabit Ethernet or Gigabit Ethernet ports.

Maximum Performance for Optimizing Application Delivery

The S5800 Series delivers wire-speed, line-rate performance on all ports for IPv4 and IPv6 traffic. The S5800-60C-PWR delivers 284 Gbps switching capacity and 211 Mpps performance. The S5800-56C and S5800-56C-PWR deliver 256 Gbps switching capacity and 191 Mpps performance. The S5800-32C, S5800-32C-PWR and S5800-32F deliver 208 Gbps switching capacity and 155 Mpps performance.

Priority for Converged Business Traffic

The S5800 Series features next-generation traffic prioritization—including advanced policy-based class of service/quality of service (CoS/QoS), eight priority queues per port, committed access rates, bandwidth limiting and filtering, and more. The S5800 can identify and optimize delay-sensitive traffic such as voice and video. To help ensure optimization, S5800 Series switches can be configured to automatically isolate voice traffic from 3Com and other IP telephony systems within a voice-dedicated virtual LAN (VLAN).

Layer 2 Switching/Layer 3 Routing Capabilities (IPv6)

Every switch in the S5800 Series has the ability to pass and route IPv4 and IPv6 traffic at line rate. As an IPv4 and IPv6 dual-stack platform, the switches are IPv4- and IPv6-ready, support the major Layer 3 routing protocols, multicast protocols and policy routing mechanisms to ensure a seamless migration from IPv4 to IPv6. Additionally, the S5800 Series offers extensive IPv6 tunneling capabilities.

FEATURES (continued)

Chassis-Class Flexibility, Availability and Resiliency

S5800 Series switches feature H3C's patented IRF technology, which creates a highly available and high-performance network, as well as helps organizations prepare for disaster and unplanned outages. Additionally, RRPP technology delivers failover connectivity in less than 50 milliseconds.

High-Availability Architecture

Typically found only in modular core chassis, S5800 Series platforms offer high-availability features including hot-swappable I/O modules. These switches also feature field-replaceable fans for enterprise-class availability and reliability, and to ensure business continuity and user access in converged networks. For high-availability connections, S5800 switches are available with hot-swappable, dual 1+1 redundant power supplies with dual power inputs, which enable continued operation of the switch in the event of a power supply failure.

Intelligent Resilient Framework (IRF) Technology

S5800 Series switches feature IRF technology, an H3C innovation that enables up to nine locally or geographically distributed interconnected switches to be managed as a single logical entity. IRF provides the highest level of network resiliency and continuous availability, and enhances business continuity as well as disaster recovery initiatives without adding complexity. Once configured, all switches actively share routing intelligence and network loads – eliminating wasted bandwidth and added expense of a passive standby unit. Ultra-fast failover recover automatically redistributes traffic among the other active units in case a switch becomes disconnected or fails. An interconnected S5800 “chassis” can provide up to 576 Gigabit Ethernet ports or up to 64 10 Gigabit Ethernet ports with a 40 Gbps resilient backplane. Any of the 10 Gigabit Ethernet ports on S5800 Series switches can be configured to support IRF.

Rapid Ring Protection Protocol (RRPP)

RRPP enables ultra-high levels of network resiliency, with failover times less than 50 ms. RRPP ensures consistent application performance for applications such as IP telephony. RRPP is more adaptable than other Ethernet protocols such as Rapid Spanning Tree Protocol (RSTP) and delivers consistent failover regardless of VLANs.

Scalable and Expandable

Further enhancing the flexibility of the S5800 Series are a wide range of 10 Gigabit Ethernet and Gigabit Ethernet expansion modules. They provide additional port density and customization for any network deployment configuration.

S5800 Series Flex Chassis Switches support the latest SFP+ technology, which can work in 1/10 Gbps mode depending on user requirements. As capacity is needed, users can upgrade to 10 Gigabit Ethernet throughput to increase performance and protect their network infrastructure investment.

Integrated Network Services

With support for Open Application Architecture (OAA), S5800 Series switches extend and integrate application capability into the network. Benefits include simplifying deployment, reducing power consumption, and reducing cooling and space requirements by consolidating single-function devices and servers. This unique functionality also enables the user to speed service time to market, and enhance switch functionality with options for high-performance security applications that leverage multi-core processors, network monitoring or wireless LAN management.

FEATURES (continued)

“Green” IT and Power

Like all H3C enterprise platforms, the S5800 Series is built to be green. It leverages the latest advances in development and merchant silicon to ensure the highest efficiency.

The S5800 Series automatically shuts off ports that are not in use to conserve energy. Additionally, it features variable speed fans that proactively reduce power consumption.

S5800 Series switches are environmentally friendly, and meet the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) standards.

As a member of The Green Grid, 3Com is also actively involved in efforts to standardize methods for measuring energy efficiency along with helping to drive new technologies such as the P802.3az Energy Efficient Ethernet standard with the IEEE 802.3 Ethernet working group's activities.

Power over Ethernet

The S5800 Series features models with multiple power schemes, including a choice of AC or DC operation out of the box. The S5800 Series also features 802.3af Power over Ethernet (PoE)-enabled ports, which provide power to network-attached devices such as IP phones, wireless access points or IP video surveillance cameras without the need to install additional wires or upgrade existing power supplies. An available redundant power system can provide supplemental N+1 power across all PoE ports in the system.

Comprehensive Management

Built on the H3C Comware Operating System, S5800 Series switches are managed by H3C IMC as part of a best-of-breed network. Additionally, it features full command-line interface (CLI) and Web-based management capabilities.

Powerful, Consistent Management and Single-Pane Network Visibility

Comware—the foundation for the S5800 Series Flex Chassis Switches—is the same powerful operating system used in other H3C Enterprise Solutions switches, routers and security appliances. A single enterprise-class operating system facilitates training, and streamlines deployment and administration, enhancing operational efficiency and reducing an enterprise network's total cost of ownership.

IMC's single-pane visibility enables efficient end-to-end business management to address the stringent demands of today's business-critical enterprise IT operations. Based on a Service-Oriented Architecture (SOA) design, IMC enables efficient end-to-end network management while its modular design enables the effective integration of traditionally separate management tools, network services, policy management and support for third-party devices in a heterogeneous environment.

Port-, media access control (MAC)-, protocol- and IP subnet-based VLANs, combined with access control list (ACL) policies in the global or VLAN mode, minimize hardware resources and simplify configuration. Inbound and outbound packets are randomly sampled and collected according to a set ratio with the sFlow function. Link Layer Discovery Protocol (LLDP) and Link Layer Discovery Protocol-Media Endpoint Discovery (LLDP-MED) are supported for standards-based neighbor discovery.

Defense-in-Depth Security

The S5800 Series is part of a defense-in-depth security strategy that provides protection versus detection. It provides integrated and distributed security enforcement that can be managed from a central location, such as IMC. ACLs help protect network resources from unauthorized access and data corruption.

Advanced processor queuing mechanisms help prevent Denial of Service (DOS) attacks while DHCP snooping ensures that devices can only receive an IP address from a legitimate DHCP server on the network. Unicast Reverse Path Finding (uRPF) technology verifies the authenticity of a route from the receiving interface to the source address, deleting the data packet if the route does not exist and preventing malicious network attacks that are based on source-address spoofing.

Advanced network access control features, including IEEE 802.1X and MAC-based network login, help ensure that only authorized users gain access to your network.

Management access can be limited to known stations and unauthorized access can be prevented by encrypting management traffic with SSH for CLI access, Secure Sockets Layer (SSL)/Secure HTTP (HTTPS) for Web access and Simple Network Management Protocol (SNMP)v3 for SNMP management access.

FEATURE SUMMARY

- ▶ IRF enables up to nine locally or geographically distributed, interconnected S5800 Series switches to be managed as a single logical entity. IRF provides the highest level of network resiliency and continuous availability, and enhances business continuity as well as disaster recovery initiatives without adding complexity.
- ▶ RRPP enables ultra-high levels of network resiliency, with failover times less than 50 ms. RRPP ensures consistent application performance for applications such as VoIP.
- ▶ S5800 Series switches offer a wide range of 10 Gigabit Ethernet and Gigabit Ethernet expansion modules that provide additional port density and customization for any network deployment configuration. For example, the S5800-60C-PWR is expandable to up to 80 Gigabit Ethernet ports.
- ▶ S5800 Series Modular Core Switches deliver wire-speed, line-rate performance on all ports.
- ▶ Like all H3C enterprise platforms, the S5800 Series is built to be “green.” It leverages the latest advances in R&D and merchant silicon to ensure the highest efficiency.
- ▶ H3C Comware OS and IMC work in concert to deliver a consistent operational interface that simplifies deployment and streamlines training to drive down operating costs and deliver a more reliable network.
- ▶ With support for Open Application Architecture (OAA), the S5800 Series features the ability to extend and integrate application capability into the network infrastructure. Benefits include simplified deployment, reduced power consumption and cooling requirements, and maximizing available space by consolidating single-function devices and servers.



H3C S5800-60C-PWR

SPECIFICATIONS (Specifications apply to all models, unless otherwise noted)

Features	S5800-60C-PWR	S5800-56C	S5800-56C-PWR	S5800-32C	S5800-32C-PWR	S5800-32F
Ports on the front panel	48 × 10/100/1000 Base-T PoE ports 4 × 100/1000 Base-X SFP ports	48 × 10/100/1000 Base-T ports 4 × SFP+ ports	48 × 10/100/1000 1 Base-T PoE ports 4 × SFP+ ports	24 × 10/100/1000 Base-T ports 4 × SFP+ ports	24 × 10/100/1000 Base-T PoE ports 4 × SFP+ ports	24 × 100/1000 Base-X SFP ports 4 × SFP+ ports
Number of expansion module slots	2 (front panel) 1 (rear, for OSN module)	1 (rear panel)	1 (rear panel)	1 (rear panel)	1 (rear panel)	1 (rear panel)
Optional expansion modules	4-port 1GE/10GEs SFP+ (supports IRF) 2-port 1GE/10GEs SFP+ (supports IRF) 16-port 10/100/1000Base-T 16-port 100/1000Base-X SFP					
Performance						
	Wire-speed Layer 2 switching and Layer 3 routing					
Switching capacity (Full duplex)	284 Gbps	256 Gbps	256 Gbps	208 Gbps	208 Gbps	208 Gbps
Forwarding mode	Store-and-forward					
Forwarding Latency	<2.1 μsec (FIFO 64-byte packets)					
SDRAM	512 MB					
Flow Control	Support IEEE802.3x flow control and back pressure					
Jumbo Frame	Support a maximum frame length of 9 K					
Layer 2						
MAC address table	32 K MAC addresses 1 K static MAC addresses Blackhole MAC addresses Setting the maximum number of MAC addresses learned on a port					
VLAN	Up to 4094 port-based VLANs QinQ and selective QinQ Voice VLANs Protocol-based VLANs MAC-based VLANs Ssubnet VLANs GARP VLAN Registration Protocol (GVRP)					
Link aggregation	GE port aggregation 10 GE port aggregation Static aggregation Dynamic aggregation Up to 128 aggregation groups when stacking is enabled; each group supporting up to eight GE ports or eight 10 GE ports					
VLAN Mapping	1:1 VLAN mapping N:1 VLAN mapping 2:2 VLAN mapping					
Mirroring	Flow mirroring Port mirroring Multiple mirroring monitor ports					

SPECIFICATIONS (continued)

Features	S5800-60C-PWR	S5800-56C	S5800-56C-PWR	S5800-32C	S5800-32C-PWR	S5800-32F
Remote mirroring	Remote mirroring (RSPAN/ERSPAN) of port					
MSTP	Spanning Tree Protocol (STP)/Rapid Spanning Tree Protocol (RSTP)/Multiple Spanning Tree Protocol (MSTP) STP Root Guard Bridge Protocol Data Unit (BPDU) Guard					
Flow management	IPFIX (NetStream) sFlow					
Broadcast/multicast/ unicast storm suppression	Storm suppression based on port rate percentage Storm suppression based on packets per second Storm suppression based on bits per second					
Layer 3						
IPv4 routes	1 K static routes RIP (Routing Information Protocol) v1/v2, supporting up to 2 K IPv4 routes OSPF (Open Shortest Path First) v1/v2, supporting up to 16 K IPv4 routes Border Gateway Protocol (BGP), supporting up to 16K IPv4 routes Intermediate System to Intermediate system (IS-IS), supporting up to 16 K IPv4 routes 2 K equal-cost routes, with each route having eight nexthops Route policies Virtual Router Redundancy Protocol (VRRP) Virtual Router Redundancy Protocol Extended (VRRPE) Policy-based routing					
IPv6 routes	1 K static routes RIPng, supporting up to 2 K IPv6 routes OSPFv3, supporting up to 8 K IPv6 routes BGP 4 + for IPv6, supporting up to 8 K IPv6 routes IS-ISv6, supporting up to 8 K IPv6 routes 2 K equal-cost routes, with each route having eight nexthops Route policies VRRP VRRPE Policy-based routing					
IPv6 over IPv4 Tunnel	IPv6 manual tunnels 6-to-4 tunnels Intra-site Automatic Tunneling Protocol (ISATAP) tunnels					

SPECIFICATIONS (continued)

Features	S5800-60C-PWR	S5800-56C	S5800-56C-PWR	S5800-32C	S5800-32C-PWR	S5800-32F
Remote mirroring	IGMP (Internet Group Management Protocol) snooping v1/v2/v3 Multicast VLANs Multicast VLAN+ IGMPv1/v2/v3 Protocol-Independent Multicast-Dense Mode (PIM-DM) Protocol-Independent Multicast-Sparse Mode (PIM-SM) PIM-SSM Multicast Source Discovery Protocol (MSDP) Multicast Border Gateway Protocol (MBGP)					
IPv6 multicast	MLD snoopingv1/v2 MLDv1/v2 PIM-DM/SM/SSM for IPv6 IPv6 multicast VLANs IPv6 multicast VLAN+ MBGP for IPv6					
BFD (Bi-directional Forwarding Direction)	OSPF sFlow BGP IS-IS Static route					
DHCP	DHCP client DHCP snooping DHCP relay DHCP server					
ARP	16K entries 1K static entries Gratuitous ARP Standard proxy ARP and local proxy ARP ARP source suppression ARP detection (based on DHCP snooping entries/802.1x security entries/static IP-to-MAC bindings)					
Convergence						
QoS/ACL	Packet receiving and sending rate limits on ports, with a granularity of 64 Kbps Packet redirection Committed Access Rate (CAR) and a granularity of 64 Kbps for port rate limitation 8 output queues for each port Flexible queue scheduling algorithms, which can be based on port and queue at the same time Support Strict Priority (SP), Weighted Deficit Round Robin (WDRR), Weighted Fair Queuing (WFQ), and SP + WDRR 802.1p and DSCP priority remarking of messages L2 (Layer 2) to L4 (Layer 4) packet filtering Support flow classification based on source MAC address, destination MAC address, source IP (IPv4/IPv6) address, destination IP (IPv4/IPv6) address, port, protocol, and VLAN Time ranges Weighted Random Early Detection (WRED) Queue shaping User profiles					

SPECIFICATIONS (continued)

Features	S5800-60C-PWR	S5800-56C	S5800-56C-PWR	S5800-32C	S5800-32C-PWR	S5800-32F
Security						
Security features	Hierarchical user management and password protection Authentication, Authorization and Accounting (AAA) Remote Authentication Dial in User Service (RADIUS) HWTACACS Secure Shell (SSH) 2.0 Port isolation Port security MAC-based authentication IP + MAC + port bindings IP Source Guard HTTPs URPF Multi-Customer Edge (MCE)/Multi-Virtual Router Forwarding (VRF) Security socket layer (SSH) Public Key Infrastructure (PKI) Portal EAD Bootrom access control (password recovery)					
802.1X	Up to 2048 users Port-based and MAC-based authentication Guest VLAN Trunk port authentication 802.1x-based dynamic delivery of QoS/ACLs/VLANs					
Management and Maintenance						
Management	Configuration through Command Line Interface (CLI), Telnet, or the console port Simple Network Management Protocol (SNMP) Remote Monitoring (RMON) alarms, events, and history IMC (Intelligent Management Center) network management system Web network management Smart link (up to 26 groups supported) Multi-instance Smart Link Monitor link System logs Hierarchical alarms Huawei Group Management Protocol version 2 (HGMPv2) Network Time Protocol (NTP) Power supply alarms Fan and temperature alarms					
Maintenance	Debugging information output Tracert and Ping NQA Track Remote maintenance through Telnet Virtual cable tests 802.1ag 802.3ah DLDP Uploading and downloading through USB interfaces					
Loading and upgrade	Loading and upgrade through the XModem protocol Loading and upgrade through file transfer protocol (FTP) Loading and upgrade through trivial file transfer protocol (TFTP)					

SPECIFICATIONS (continued)

Features	S5800-60C-PWR	S5800-56C	S5800-56C-PWR	S5800-32C	S5800-32C-PWR	S5800-32F
Hardware Configurations						
Physical dimensions (H × W × D)	86.1 × 440.2 × 464.9 mm [3.39 × 17.33 × 18.30 in.]	43.6 × 440.0 × 367.0 mm [1.72 × 17.32 × 14.45 in.]	43.6 × 440.0 × 366.6 mm [1.72 × 17.32 × 14.43 in.]	43.6 × 440.0 × 366.6 mm [1.72 × 17.32 × 14.43 in.]	43.6 × 440.0 × 426.8 mm [1.72 × 17.32 × 16.80 in.]	43.6 × 440.5 × 426.0 mm [1.72 × 17.32 × 16.77 in.]
Weight	< 18.0 kg [39.7 lb]	< 6.5 kg [14.3 lb]	< 8.5 kg [18.7 lb]	< 6.0 kg [13.2 lb]	< 8.0 kg [17.6 lb]	< 8.5 kg [18.7 lb]
Input voltage, AC	Rated voltage range: 100 to 240 VAC, 50 or 60 Hz Maximum voltage range: 90 to 264 VAC, 47 to 63 Hz					
Rated voltage range, DC	300 W DC: -48 to -60 VDC	N/A	N/A	N/A	N/A	-48 to -60 VDC
Rated voltage range, RPS	-52V to -55 VDC	10.8 to 13.2 VDC	-52 to -55 VDC	10.8 to 13.2 VDC	-52 to -55 VDC	-52 to -55 VDC
Power consumption (static)	DC: 94 W AC: 96 W	102 W	DC: 107 W AC: 131 W	66.8 W	DC: 64 W AC: 85 W	DC: 58 W AC: 67 W
Power consumption (at full load)	DC: 1,840 W (dual PSU, includes 1,500 W PoE) DC: 1,840 W (single PSU, includes 1,500 W PoE) AC: 1,147 W (dual PSU, includes 740 W PoE) AC: 714 W (single PSU, includes 425 W PoE)	163 W	DC: 973 W (includes 740 W PoE) AC: 673 W (includes 370 W PoE)	105 W	DC: 870 W (includes 740 W PoE) AC: 598 W (includes 370 W PoE)	DC: 136 W AC: 146 W
Operating temperature	0° to 45°C [32° to 113°F]					
Operating environment humidity	10% to 90% [noncondensing]					
MTBF (years)	40.8	35.2	27.7	39.8	35.1	46.9
Noise Parameters	58.5dB	56.5dB	57.9dB	52.9dB	52.4dB	58.1dB
MTRR	<2 hours					

SERVICE AND SUPPORT

H3C Global Services offers the resources and talents of a major corporation plus more than two decades of experience in resolving network challenges and delivering business benefits to enterprises around the world.

Global support with a personalized, local focus in the local language helps drive productivity and minimize expenses. Because H3C understands both the technology and the business, we're the partner you need to remain strong and competitive.

Suggested Service, Support and Training Offerings

H3C Guardian SM Maintenance Service	This service provides comprehensive on-site support and includes advance hardware replacement, expedited telephone technical support and software upgrades
H3C Express SM Maintenance Service	This service provides speedy access to H3C shipment of advance hardware replacements (including a four-hour option), expedited telephone technical support and software upgrades
Network Health Check	An activity-auditing service focused on improving network performance and productivity Includes traffic monitoring, utilization analysis, problem identification, and asset deployment recommendations Extensive report provides blueprint for action
Network Installation and Implementation Services	Experts set up and configure equipment and integrate technologies to maximize functionality and minimize business disruption For large and complex sites, implementation services include personalized configuration, project management, extended testing and coaching on network administration
Project Management	Provides extra focus and resources that special projects demand H3C engineers manage entire process from initial specifications to post-project review Using structured methodology, requirements are identified, projects planned and progress of implementation activities tracked
Global Education and Training	Self-paced and instructor-led technology and product courses, plus certification programs

For additional information, please visit www.h3cnetworks.com/services

PRODUCT WARRANTY

The H3C S5800 has a Limited Lifetime hardware warranty.

For details on this product's warranty, and information about the other services that are provided with product registration, see www.h3cnetworks.com/warranty.

ORDERING INFORMATION

SKU No.	Product Name
0235A36W	H3C S5800-60C-PWR L3 Ethernet Switch: 48 x GE, 4 x SFP, 2 x Expansion Module Slots, 1 x OSM Slot, 1 x PoE Slot (power supply not included)
0235A36U	H3C S5800-32C-PWR L3 Ethernet Switch: 24 x GE, 4 x SFP+, 1 x Expansion Module Slot, PoE
0235A379	H3C S5800-56C L3 Ethernet Switch: 48 x GE, 4SFP+, 1 x Expansion Module Slot
0235A378	H3C S5800-56C-PWR Ethernet Switch: 48 x GE, 4 x SFP+, 1 x Expansion Module Slot, PoE
0235A374	H3C S5800-32F L3 Ethernet Switch: 24 x SFP, 4 x SFP+, 1 x Expansion Module Slot (power supply not included)
0231A93G	H3C S5800 4-Port 10GBASE-X (SFP+) Expansion Module
0231A93H	H3C S5800 2-Port 10GBASE-X (SFP+) Expansion Module
0231A93M	H3C S5800 16-Port 1000BASE-X (SFP) Expansion Module
0231A93L	H3C S5800 16-Port 10/100/1000BASE-T (RJ45) Expansion Module
0231A93R	H3C S5800 Fan Module for 2 RU Units (spare)
0231A94B	H3C S5800 Fan Module for S5800-32F (spare)
0231A93S	H3C S5800 PoE Module for S5800-60C-PWR
0231A66A	H3C S5800 150W AC Power Supply Module
0231A73P	H3C S5800 150W DC Power Supply Module
0231A0A9	H3C S5800 300W AC Power Supply Module
0231A93D	H3C S5800 300W DC Power Supply Module
0231A0AD	H3C S5800 750W AC Power Supply Module, PoE
0231A0AK	H3C SFP+ CR Cable, 0.65m
0231A0AL	H3C SFP+ CR Cable, 1.2m
0231A0AM	H3C SFP+ CR Cable, 3m
0231A0A6	H3C SFP+ SX Module (850nm, 300m, LC) SR
0231A0A7	H3C SFP+ LX MMF Module (1310nm, 220m, LC) LRM
0231A0A8	H3C SFP+ LX SMF Module (1310nm, 10km, LC) LR

Visit www.H3Cnetworks.com for more information about H3C enterprise solutions.