

H3C S5820X SERIES 10-GIGABIT SWITCHES



S5820X-28S



S5820X-28C

Overview

H3C® S5820X Series 10-Gigabit Switches are a revolutionary new line of flex chassis switches—the most advanced 10 Gigabit Ethernet switches developed by H3C. They deliver a unique combination of unmatched 10 Gigabit Ethernet port density, high availability architecture, and full Layer 2 and Layer 3 dual-stack IPv4 and IPv6 support. The S5820X switch series features line-rate performance on all ports and cut-through switching to minimize latency. These switches are extremely versatile and can be used in enterprise core and distribution applications as well as data center top-of-rack server access applications.

The S5820X-28C is a 2RU flex chassis platform with 14 fixed 10 Gigabit Ethernet SFP+ ports and two front-facing expansion module slots that can accommodate eight additional 10 Gigabit Ethernet ports or a 4 port Fibre Channel over Ethernet module for even greater deployment flexibility and investment protection. The S5820X-28S is a 1RU high platform that delivers 24 fixed 10 Gigabit Ethernet SFP+ ports for high-density 10 Gigabit Ethernet data center top-of-rack server access. Both feature redundant, fully hot-swappable power supplies and fans typically found in modular core platforms. Additionally, S5820X Series switches offer side-to-back cooling that complements the data center cooling model.

Using H3C Intelligent Resilient Framework (IRF™) technology and Rapid Ring Protection Protocol (RRPP), local or geographically distributed S5820X Series switches can be interconnected to deliver higher resiliency and performance to ensure business continuity and enhance disaster recovery applications.

S5820X Series switches are built on the enterprise tested and proven Comware® Operating System, the foundation for H3C's comprehensive, end-to-end portfolio, including modular and stackable switches, enterprise routers, and security appliances. Additionally, these switches are managed by H3C's unified and modular network management platform, Intelligent Management Center (IMC). Comware and IMC work in concert to deliver a consistent operational interface that facilitates deployment and streamlines training to reduce operating costs and deliver a more reliable network.

The S5820X Series comprises models that are ideal for:

- › High-performance, high-density building or department cores as part of a consolidated network;
- › Data center top-of-rack server access; and
- › High-performance Layer 3, 10GE aggregation switches in a three-tier campus network.

S5820X Series Models and Platforms

S5820X-28C

- › 2 RU high
- › 14 SFP+ 10GE ports
- › 4 10/100/1000BASE-T ports
- › 2 expansion module slots (supporting 10 GE and/or FCoE)
- › Support for embedded applications

S5820X-28S

- › 24 SFP+ 10GE ports
- › 4 10/100/1000BASE-T ports

Each expansion module slot on an S5820X Series switch can accommodate a two- or four-port SFP+ 10 Gigabit Ethernet module.

Key Benefits

Lower TCO by Design

The S5820X Series enhances the H3C end-to-end enterprise portfolio. With its resilient design, flexible and high-density port configurations, and rich feature set, these switches can optimize enterprise networks' core as well as data center deployments and investments. Leveraging next-generation merchant silicon and architecture, S5820X Series switches are highly efficient, which contributes to lower power consumption for operation and cooling. These flex chassis switches are also built on open standards to simplify integration and contribute to greater operational efficiency. Finally, extensible embedded application capabilities enable the S5820X Series to integrate services into the network, consolidating devices and appliances to simplify deployment and cut operational expenses related to power consumption and rack space.

Future-Proof Architecture

S5820X Series switches help customers protect their infrastructure investments through a resilient chassis-like architecture, high performance and high-density 10 Gigabit Ethernet connectivity, and support for new applications as well as protocols such as IPv6. Embedded application capabilities enable the S5820X line 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

S5820X Series 10 Gigabit 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, these switches serve as a powerful security enforcement point, limiting bandwidth to certain applications or shutting down ports altogether.

Features

Enterprise-Class Performance

High-Density 10 Gigabit Ethernet Connectivity for Flexibility and Growth

The S5820X Series consists of two models, led by the S5820X-28C flex chassis switch, which is a 2RU switch that features 14 SFP+ 10 Gigabit Ethernet ports, four copper Gigabit Ethernet ports and two expansion slots with the ability to add up to eight additional SFP+/XFP 10 Gigabit Ethernet ports. The S5820X-28S is a compact 1RU platform that features 24 SFP+ 10 Gigabit Ethernet ports and four copper Gigabit Ethernet ports.

Maximum Performance for Optimizing Application Delivery

Both models in the S5820X Series deliver wire-speed, line rate performance on all ports for IPv4 and IPv6 traffic, leveraging the latest generation of high performance ASICs (L2/IPv4/IPv6/ACLs/QoS hardware based forwarding). The S5820X-28C and S5820X-28S deliver 488 Gbps switching capacity and 362 Mpps performance. With models that feature up to 24 10 Gigabit Ethernet ports at line rate, the S5820X Series is one of the highest-performing fixed form factor switches in the industry. Additionally, to reduce latency in the network core or data center environment, S5820X switches feature cut-through switching as well as store and forward mode switching.

Data Center I/O Consolidation with FCoE

The H3C S5820X-28C FCoE module supports two 4x8/4/2 Gbps FCoE modules (up to 8 FC ports total) which help customers dramatically lower networking costs and complexity by consolidating server I/O while boosting network performance. This I/O consolidation can enable customers to replace as many as four to eight Ethernet and HBA server NICs with two high-performance 10 Gigabit Converged Network Adaptors (CNA) to achieve full redundancy and availability, while simultaneously increasing bandwidth per virtual machine.

This higher-performing 10 Gigabit access also lays the foundation for storage area network (SAN) convergence, which can further consolidate Fibre Channel I/O devices and switches. Ultimately, a network with fewer I/O devices, ports and switches requires less power and cooling, reducing operating expenses and total cost of ownership.

Priority for Converged Business Traffic

The S5820X 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. These flex chassis switches can identify and optimize delay-sensitive traffic such as voice and video, and 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)

Both S5820X switches can pass and route IPv4 and IPv6 data 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 S5820X Series IPv6 suite has extensive IPv6 tunneling capabilities.

Features (continued)

Chassis-Class Flexibility, Availability and Resiliency

The S5820X Series features H3C's patented IRF technology, which creates a highly available network that 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, all S5820X Series platforms offer high-availability features including hot-swappable I/O modules and field-replaceable fans for enterprise-class availability and reliability, and to ensure business continuity and user access in converged networks. For high-availability connections, S5820X models are available with hot-swappable dual 1+1 redundant power supplies with dual power inputs.

Intelligent Resilient Framework (IRF) Technology

S5820X Series switches feature IRF technology, an H3C innovation that enables up to eight 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 S5820X "chassis" can provide up to 192 10 Gigabit Ethernet ports with a 40 Gbps resilient backplane. Any of the 10 Gigabit Ethernet ports on an S5820X Series switch 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 S5820X Series are a wide range of 10 Gigabit Ethernet modules. They provide

additional expansion for even greater port density and customization for any network deployment configuration.

S5820X 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 embedded applications, S5820X Series switches extend and integrate application capability into the network. Benefits include simplifying deployment, and reducing power consumption, cooling and space requirements by consolidating single-function devices and servers. This unique functionality also enables users 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.

"Green" IT and Power

Like all H3C Enterprise Solutions switches and routers, the S5820X Series is built to be "green." It leverages the latest advances in development and merchant silicon to ensure the highest efficiency. These switches also feature variable speed fans that proactively reduce power consumption.

S5820X 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.

Data Center-Optimized Cooling

Featuring side-to-back cooling, S5820X Series switches are optimized for the data center; this design complements the hot-aisle/cold-aisle data center cooling environment. These switches further contribute to data center efficiency by reducing the need for air conditioning—the more efficiently a switch runs, the less power is required to cool it. This also helps avoid potential reliability and availability issues resulting from overheating, which is more common among side-to-side cooled switches.

Features (continued)

Comprehensive Management

Built on the H3C Comware Operating System, S5820X 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, Consistency of Management and Single-Pane Network Visibility

Comware—the foundation for the S5820X 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 simplifies training, and streamlines deployment and administration, enhancing operational efficiency and reducing an enterprise network's total cost of ownership.

H3C 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 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.

Comprehensive management features enable the switch to provide enterprise-wide visibility and control to IT staff for configuration, network monitoring and advanced troubleshooting. Switch management is accessible through an industry standard CLI, an intuitive GUI or Simple Network Management Protocol (SNMP) with hierarchical access controls and password protection.

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 LLDP-Media Endpoint Discovery (LLDP-MED) are supported for standards-based neighbor discovery.

Defense-in-Depth Security

The S5820X Series is part of a defense-in-depth 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 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 SNMPv3 for SNMP management access.

Feature Summary

- ▶ IRF enables up to eight locally or geographically distributed, interconnected S5820X 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.
- ▶ S5820X Series switches offer a wide range of 10GE expansion modules that provide additional port density and customization for any network deployment configuration.
- ▶ S5820X Series 10-Gigabit Switches deliver wire-speed, line-rate performance on all ports, as well as cut-through switching for low latency.
- ▶ High-performance FCoE access layer I/O consolidation which reduces the number of devices on your network and simplifies operations.
- ▶ Like all H3C enterprise platforms, the S5820X Series is built to be "green." It leverages the latest advances in R&D and merchant silicon to ensure optimal efficiency.
- ▶ Comware 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 embedded applications, the S5820X Series can extend and integrate application capability into the network. Benefits include simplified deployment, reduced power consumption and cooling requirements, and maximizing available space by consolidating single-function devices and servers.

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

Features	S5820X-28C	S5820X-28S
Ports on the front panel	14 x 1G/10G SFP+ ports 4 x 10/100/1000Base-T ports	24 x 1G/10G SFP+ ports 4 x 10/100/1000Base-T ports
Number of expansion module slots	2 (front), 1 (rear, for embedded application modules)	None
Optional expansion modules	4-port 1G/10G SFP+ 2-port 1G/10G SFP+ 4-port 8/4/2 Gbps Fibre Channel SFP+	None
Performance		
	Wire speed Layer 2 switching and Layer 3 routing	
Switching capacity (Full duplex)	488 Gbps	
Packet forwarding rate (whole system)	362.9 Mpps	
Forwarding mode	Cut-through switching and store-and-forward	
Forwarding latency	Store and Forward 1.48 micro sec (64-byte packets) Cut Through 1.20 micro sec (64-byte packets)	
SDRAM	512 Mb	
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 Subnet VLANs GARP VLAN Registration Protocol (GVRP)	
Link aggregation	GE port aggregation 10GE port aggregation Static aggregation Dynamic aggregation Up to 128 aggregation groups when stacking is enabled; each group supporting up to 8GE ports or 8 10GE ports	
VLAN Mapping	1:1 VLAN mapping N:1 VLAN mapping 2:2 VLAN mapping	
Mirroring	Flow mirroring Port mirroring Multiple mirroring monitor ports	
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	
RRPP	RRPP RRPP multiple instances	
Flow Control	Support IEEE802.3x flow control and back pressure	
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	

Specifications (continued)

Features	S5820X-28C	S5820X-28S
Layer 3		
IPv4 routes	1 K static routes RIP (Routing Information Protocol) v1/2, 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 16 K IPv4 routes Intermediate System to Intermediate system (ISIS), 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) Policy-based routing	
IPv6 routes)	1 K static routes RIPng, supporting up to 2 K IPv6 routes OSPFv3, supporting up to 4 K IPv6 routes BGP 4 + for IPv6, supporting up to 4 K IPv6 routes IS-ISv6, supporting up to 4 K IPv6 routes 2 K equal-cost routes, with each route having eight nexthops Route policies VRRP Policy-based routing	
IPv6 over IPv4 Tunnel	IPv6 manual tunnels 6-to-4 tunnels Intra-site Automatic Tunneling Protocol (ISATAP) tunnels	
IPv4 multicast	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 BGP IS-IS Static route	
DHCP	DHCP client DHCP snooping DHCP-relay DHCP server	
ARP	16K 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)	

Specifications (continued)

Features	S5820X-28C	S5820X-28S
Convergence		
QoS/ACL	<ul style="list-style-type: none"> 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 	
Security		
Security features	<ul style="list-style-type: none"> 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 MCE Security socket layer (SSH) Public Key Infrastructure (PKI) Portal EAD Bootrom access control (password recovery) 	
802.1X	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Configuration through Command Line Interface (CLI) Telnet configuration Configuration through 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 System logs Hierarchical alarms Huawei Group Management Protocol version 2 (HGMPv2) Network Time Protocol (NTP) Power supply alarms Fan and temperature alarms 	

Specifications (continued)

Features	S5820X-28C	S5820X-28S
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	
Hardware Configurations		
Physical dimensions (H × W × D)	86 x 440 x 467 mm (3.4 x 17.3 x 16.8 in.)	44 x 440 x 427 mm (1.7 x 17.3 x 16.8 in.)
Weight	<15 kg (33.0 lbs)	<9 kg (19.8 lbs)
Input voltage, AC	Rated voltage range: 100 VAC to 240 VAC, 50 Hz or 60 Hz Maximum voltage range: 90 VAC to 264 VAC, 47 Hz or 63 Hz	
Rated voltage range, DC	10.8 to 13.2 VDC	
Power consumption (static)	118 W	132 W
Power consumption (at full load)	178 W	190 W
Operating temperature	0° to 45°C (32° to 113°F)	
Operating environment humidity	10% to 90% (noncondensing)	
Noise Parameters	54.1dB	59.7dB
MTTR	<2 hours	

Service and Support

H3C Global Services offers the resources and talents of a major corporation plus more than 30 years 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 S5820X has a one-year hardware warranty that includes the power supply and fan assembly.

Ordering Information

H3C 5820X Based Units

SKU No.	Product Name
0235A370	H3C S5820X-28S L3 Ethernet Switch: 24 x SFP+, 4 x GE (power supply not included)
0235A37L	H3C S5820X-28C L3 Ethernet Switch: 14 x SFP+, 2 x Expansion Slot, 1 x OSM Slot (power supply not included)

Expansion Module Options

SKU No.	Product Name
0231A93G	H3C S5800 4-Port 10GBASE-X (SFP+) Expansion Module
0231A93H	H3C S5800 2-Port 10GBASE-X (SFP+) Expansion Module
0231A0MA	H3C 5820X-28C 4-Port 8/4/2 Gbps FCoE (SFP+) Expansion Module

Embedded Application Support Module Options

SKU No.	Product Name
0231A94J	H3C S5800 Series, Firewall Module
0231A94G	H3C S5800 Wireless Switch Module 64 to 256 Access Points AP License: Included Base License – 64 / Incremental Upgrade License – 32

10 GE SFP+ Transceivers

SKU No.	Product Name
0231A0A6	H3C SFP+ SX Module (850nm,300m,LC)
0231A0A7	H3C SFP+ LX MMF Module (1310nm,220m,LC)
0231A0A8	H3C SFP+ LX SMF Module (1310nm,10km,LC)

GE SFP Transceivers

SKU No.	Product Name
0231A562	1000BASE-SX SFP Transceiver, Multi-Mode (850nm, 550m, LC)
0231A563	1000BASE-LX SFP Transceiver, Single Mode (1310nm, 10km, LC)
02312170	1000BASE-LH40 SFP Transceiver, Single Mode (1310nm, 40km, LC)
02312172	1000BASE-LH40 SFP Transceiver, Single Mode (1550nm, 40km, LC)
02312173	1000BASE-LH70 SFP Transceiver, Single Mode (1550nm, 70km, LC)
0231A085	1000BASE-T SFP Transceiver

Power Supplies and Fans

SKU No.	Product Name
0231A0A9	H3C S5800 300W AC Power Supply Module
0231A93D	H3C S5800 300W DC Power Supply Module
0231A93R	H3C S5800 Fan Module for 2 RU Units (spare)

Transceiver Cables

SKU No.	Product Name
0231A0AK	H3C SFP+ CR Cable, 0.65m
0231A0AL	H3C SFP+ CR Cable, 1.2m
0231A0AM	H3C SFP+ CR Cable, 3m

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