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Overview

The S5700-28C-HI-24S is advanced Ethernet switch based on new generation of high-performance hardware and Huawei Versatile Routing Platform (VRP). With 24 Base-T ports, it provides a large switching capacity, high-density GE interfaces for users, besides, it can be equipped with multiple types of card modules and power modules to meet the different demands of users. All these features make the S5700-28C-HI-24S the best choice as an access switch on large and medium-sized campus networks or data centers and aggregation switch on small campus networks. The S5700-28C-HI-24S integrates many advanced technologies in terms of reliability, security, and energy conservation in order to help enterprise customers build a next-generation IT network.

Quick Specification

Table 1 shows the quick specification.

Model	S5700-28C-HI-24S
Part Number	02353631
Ports	24 × 100/1,000 Base-X ports
Extended Slots	1 extended slot
Memory (RAM)	512 MB
Flash	64 MB
MAC Address Table Size	32 MAC
Subcard Supported	4 × 1000 Base-X SFP subcard 2 × 10 GE SFP+ subcard 4 × 10 GE SFP+ subcard
Voltage Required	AC: Rated voltage range: 100V to 240V, 50/60 Hz Maximum voltage range: 90V to 264V, 50/60 Hz DC: Rated voltage range: -48V to -60V, DC Maximum voltage range: -36V to -72V, DC
Power Device	Do double hot-swappable AC/DC power supplies
Power Consumption Operational	<80 W
Forwarding performance	96 Mpps
Switching capacity	256 Gbit/s
Dimensions (W x D x H)	442 mm x 220 mm x 43.6 mm
Package Weight	4.2 kg
PoE	Not supported

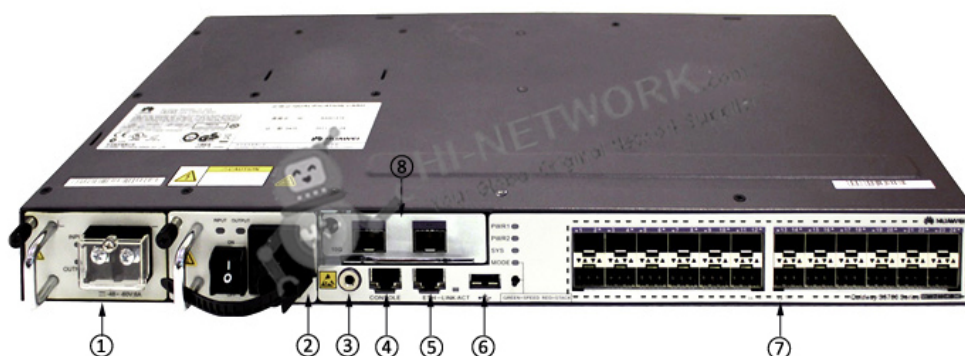


Figure 1 shows the appearance of S5700-28C-HI-24S.



Product Details

Figure 2 shows the front panel of S5700-28C-HI-24S.



Note:

(1)	Power module slot 1	(5)	ETH management port
(2)	Power module slot 2	(6)	USB port
(3)	ESD jack	(7)	Twenty-four 100/1000BASE-X ports
(4)	One console port	(8)	Front card slot

* The front card slot is equipped with the card module, but the card module should be purchased separately.

* Before installing or maintaining a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.

* The power module slot 1 has been installed with the DC power module.

* The power module slot 2 has been installed with the AC power module.

Figure 3 shows the back panel of S5700-28C-HI-24S.



Note:

(1)	Ground screw	(2)	Monitoring port
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* The ground screw is used with a ground cable. The switch has two ground screws, any of which can be used to install a ground table.

* The monitoring port monitors the cabinet door, power module, battery power, and power supply of the air conditioner.

Recommended Modules

Table 2 shows the recommended modules.

Model	Description
Power Module	
W0PSA1701	170W AC Power Module (Used In HI Series)
ES5M0PSD1700	170W DC power module (Used In HI Series)
Optical Transceivers	
OMXD30000	Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)
OSX010000	Optical Transceiver, SFP+, 10G, Single-mode Module (1310nm, 10km, LC)
SFP-10G-USR	10GBase-USR Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.1km, LC)
eSFP-GE-SX-MM850	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.5km, LC)
SFP-GE-LX-SM1310	Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC)
S-SFP-GE-LH40-SM1310	Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 40km, LC)
S-SFP-GE-LH40-SM1550	Optical Transceiver, eSFP, GE, Single-mode Module (1550nm, 40km, LC)
Copper Transceivers	
SFP-1000BaseT	1000BASE-T (RJ45) SFP Electrical Module, Auto Negotiate, 100m
Card	
ES5D00X2SA00	2 10 Gig SFP+ interface card (used in S5700HI series)
ES5D00X4SA00	4 10 Gig SFP+ interface card (used in S5700HI series)
ES5D00G4SC00	4 Gig SFP interface card (used in S5700HI series)



Compare to Similar Items

Table 3 shows the comparison of Huawei S5700-28C-HI, S5700-28C-HI-AC and S5700-28C-HI-24S.

Models	S5700-28C-HI	S5700-28C-HI-AC	S5700-28C-HI-24S
Fixed Ports	24 x 10/100/1,000 Base-T	24 x 10/100/1,000 Base-T	24 x 100/1,000 Base-X
Extended Slots	1 extended slot	1 extended slot	1 extended slot
Power Supply	Double hot-swappable AC/DC	Double hot-swappable AC/DC	Double hot-swappable AC
Forwarding Performance	96 Mpps	96 Mpps	96 Mpps
Switching Capacity	256 Gbit/s	256 Gbit/s	256 Gbit/s
Power Consumption	<76W	<76W	<80W

Get more information

Do you have any question about the S5700-28C-HI-24S (02353631)?

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Specification

S5700-28C-HI-24S Specification	
MAC address table	IEEE 802.1d compliance
	MAC address learning and aging
	Static, dynamic, and blackhole MAC address entries
	Packet filtering based on source MAC addresses
	MAC address entries:
	S5700S-LI series: 8K, S5700-LI/S5700-SI series: 16K, S5700-EI series: 32K, S5720-EI series: 64K, S5700-HI series: 32K, S5710-HI: 456K, S5720-HI: 128K
VLAN	4K VLANs
	Guest VLAN and voice VLAN
	GVRP
	MUX VLAN
	VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and ports
	1:1 and N:1 VLAN Mapping
	SuperVLAN (supported by the S5700-SI/S5700-EI/S5700-HI series)





Ring protection	RRPP ring topology and RRPP multi-instance
	Smart Link tree topology and Smart Link multi-instance, providing the millisecond-level protection switchover
	SEP
	ERPS (G.8032) (supported by the S5700-LI/S5700-SI/S5700-EI/S5700-HI series)
	STP, RSTP, and MSTP
	BPDU protection, root protection, and loop protection
	BPDU Tunnel
Reliability	Ethernet OAM (IEEE 802.3ah and 802.1ag)
	ITU-Y.1731
	DLDLP
	LACP
	E-Trunk (supported by the S5700-SI/S5700-EI/S5700-HI series)
	BFD for OSPF, BFD for IS-IS, BFD for VRRP, and BFD for PIM (supported by the S5700-EI/S5700-HI series)
MPLS features	MPLS L3VPN
	MPLS L2VPN(VPWS/VPLS)
	MPLS-TE
	MPLS QoS
	Notes: supported by S5710-EI, S5700-HI and S5710-HI
IP routing	Static routing
	RIPv1, RIPv2 and RIPv3, ECMP (supported by the S5700-SI/S5700-EI/S5700-HI series)
	OSPF, OSPFv3, IS-IS, IS-ISv6, BGP and BGP4+ (supported by the S5700-EI/S5700-HI series)
IPv6 features	Neighbor Discovery (ND)
	Path MTU (PMTU)
	IPv6 ping, IPv6 tracer, and IPv6 Telnet
	ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 ports, or protocol type
	MLD v1/v2 snooping
	6to4 tunnel, ISATAP tunnel, and manually configured tunnel(supported by the S5700-SI/S5700-EI/S5700-HI series)
Multicast	IGMP v1/v2/v3 snooping and IGMP fast leave
	Multicast forwarding in a VLAN and multicast replication between VLANs
	Multicast load balancing among member ports of a trunk
	Controllable multicast
	Port-based multicast traffic statistics
	IGMP v1/v2/v3, PIM-SM, PIM-DM, PIM-SSM, MSDP (supported by the S5700-EI/S5700-HI series)
QoS/ACL	Rate limiting on packets sent and received by an interface
	Packet redirection





	Port-based traffic policing and two-rate three-color CAR
	Eight queues on each port
	WRR, DRR, SP, WRR+SP, and DRR+SP queue scheduling algorithms
	WRED (supported by the S5710-EI and S5700-HI)
	Re-marking of the 802.1p priority and DSCP priority
	Packet filtering at Layers 2 through 4, filtering out invalid frames based on the source MAC address, destination MAC address, source IP address, destination IP address, TCP/UDP port number, protocol type, and VLAN ID
	Rate limiting in each queue and traffic shaping on ports
Security	User privilege management and password protection
	DoS attack defense, ARP attack defense, and ICMP attack defense
	Binding of the IP address, MAC address, interface, and VLAN
	Port isolation, port security, and sticky MAC
	MFF
	Blackhole MAC address entries
	Limit on the number of learned MAC addresses
	802.1x authentication and limit on the number of users on an interface
	AAA authentication, RADIUS authentication, HWTACACS authentication, and NAC
	SSH v2.0
	Hypertext Transfer Protocol Secure (HTTPS)
	CPU defense
	Blacklist and whitelist
Access Security	DHCP Relay, DHCP Server, DHCP Snooping, DHCP Security
Management and maintenance	Virtual cable test
	Port mirroring and RSPAN (remote port mirroring)
	Remote configuration and maintenance using Telnet
	SNMP v1/v2c/v3
	RMON
	Web NMS
	HGMP
	System logs and alarms of different levels
	802.3az EEE (supported by the S5700(S)-LI, S5710-EI, S5700-HI and S5710-HI)
	Dying gasp (supported by the S5700-HI, S5710-HI and S5700(S)-LI (except battery LAN switches))
	NetStream (supported by the S5710-EI, S5700-HI and S5710-HI)
	sFlow (supported by the S5700(S)-LI/S5700-EI/S5700-HI series)
Interoperability	Supports VBST (Compatible with PVST/PVST+/RPVST)
	Supports LNP (Similar to DTP)





	Supports VCMP (Similar to VTP)
Operating environment	Operating temperature: 0℃–50℃ Relative humidity: 10% – 90% (non-condensing)
Input voltage	AC: Rated voltage range: 100 V to 240 V AC, 50/60 Hz Maximum voltage range: 90 V to 264 V AC, 47/63 Hz DC: Rated voltage range: –48 V to –60 V, DC Maximum voltage range: –36 V to –72 V DC Note: PoE-support switches do not use DC power supplies.

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HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

WhatsApp Business: +8618057156223

