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Overview

Huawei S5700-52C-SI is one of the S5700 Series Switches. The S5700-SI series are gigabit Layer 3 Ethernet switches based on new generation of high-performance hardware and Huawei Versatile Routing Platform (VRP). It provides a large switching capacity, high-density GE interfaces, and 10 GE uplink interfaces. With extensive service features and IPv6 forwarding capabilities, the S5700-SI is applicable to various scenarios. For example, it can be used as an access or aggregation switch on campus networks or an access switch in data centers. The S5700-SI integrates many advanced technologies in terms of reliability, security, and energy saving. It employs simple and convenient means of installation and maintenance to reduce customers' OAM cost and help enterprise customers build a next-generation IT network.

Quick Specification

**Table 1 shows the quick specification.**

Model	S5700-52C-SI
Part Number	02352356
Fixed Interfaces	48 Ethernet 10/100/1,000 ports
Subcards supported	4 x 1,000 Base-X SFP subcard, 2 x 10 GE SFP+ subcard, and 4 x 10 GE SFP+ subcard
Extended Slots	two extended slots, one for an uplink subcard and the other for a stack card
Power Supply	Double hot swappable AC/DC power supplies
Forwarding Performance	132 Mpps
Switching Capacity	256 Gbit/s
Memory (RAM)	256 MB
Flash	32 MB
RPS	Not supported
PoE	Not supported
Maximum power consumption (100% throughput, full speed of fans)	78 W
Dimensions (W x D x H)	442.0 mm x 420.0 mm x 43.6 mm (17.4 in. x 16.5 in. x 1.72 in.)
Weight	Empty: ≤ 5 kg (11.02 lb) Fully loaded: ≤ 8.5 kg (18.74 lb)

Figure 1 shows the appearance of S5700-52C-SI.
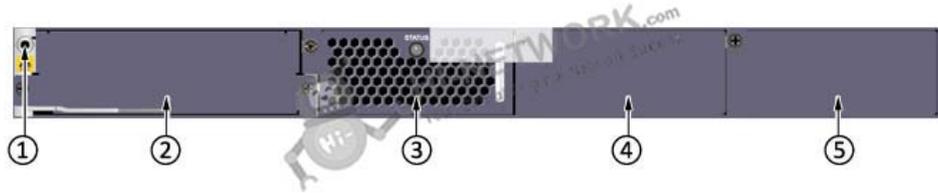

Product Details

Figure 2 shows the front panel of S5700-52C-SI.
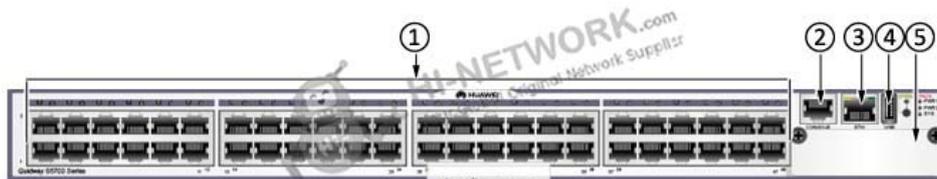
Note:

(1)	Forty-eight 10/100/1000BASE-T ports	(4)	USB port
(2)	One console port	(5)	Front card slot
(3)	ETH management port		

Figure 3 shows the back panel of S5700-52C-SI.

Note:

(1)	ESD jack	(4)	Power module slot 2
(2)	Rear card slot	(5)	Power module slot 1
(3)	Fan slot		

The Modules, Cards

Table 2 shows the recommended elements for the S5700-52C-SI.

Model	Description
GE-SFP Optical Transceiver	
eSFP-GE-SX-MM850	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.55km, 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)
10G-SFP+ Optical Transceiver	
SFP-10G-USR	10GBase-USR Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.1km, LC)
OMXD30000	Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)
OSX010000	Optical Transceiver, SFP+, 10G, Single-mode Module (1310nm, 10km, LC)
GE Copper Transceiver	
SFP-1000BaseT	Electrical Transceiver, SFP, GE, Electrical Interface Module (100m, RJ45)
10GE Interface Card	
ES5D000X2S00	2 10 Gig SFP+ interface card (used in S5700SI and S5700EI series

Compare to Similar Items

Table 3 shows the comparison of Huawei S5700-52C-SI and S5700-52C-EI.

Model	S5700-52C-SI	S5700-52C-EI
Fixed Interfaces	48 Ethernet 10/100/1,000 ports	48 x 10/100/1,000 Base-T ports
Subcards supported	4 x 1,000 Base-X SFP subcard, 2 x 10 GE SFP+ subcard, and 4 x 10 GE SFP+ subcard	4 x 1,000 Base-X SFP subcard, 2 x 10 GE SFP+ subcard, and 4 x 10 GE SFP+ subcard
Extended Slots	two extended slots, one for an uplink subcard and the other for a stack card	two extended slots, one for an uplink sub-card and the other for a stack card
Power Supply	Double hot swappable AC/DC power supplies	Double hot-swappable AC/DC power supplies
Forwarding Performance	132 Mpps	132 Mpps
Switching Capacity	256 Gbit/s	256 Gbit/s
Memory (RAM)	256 MB	256 MB
Flash	32 MB	32 MB
RPS	Not supported	Not supported
PoE	Not supported	Not supported
Maximum power consumption (100% throughput, full speed of fans)	78 W	< 88W

Get More Information

Do you have any question about the S5700-52C-SI (02352356)?

Contact us now via info@hi-network.com.

Specification

S5700-52C-SI Specification	
Fixed Ports	48 × 10/100/1,000 Base-T
Switching Capacity	256 Gbit/s
Forwarding Performance	132 Mpps
Extended Slots	two extended slots, one for an uplink subcard and the other for a stack card
MAC Address Table	IEEE 802.1d compliance
	16K MAC address entries

	MAC address learning and aging
	Static, dynamic, and blackhole MAC address entries
	Packet filtering based on source MAC addresses
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
Reliability	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)
	STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s)
	BPDU protection, root protection, and loop protection
IP Routing	Static route, RIPv1, RIPv2, RIPng, and ECMP
IPv6 Features	Neighbor Discovery (ND)
	Path MTU (PMTU)
	IPv6 ping, IPv6 tracert, 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
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
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
	Re-marking of the 802.1p priority and DSCP priority
	Packet filtering at Layer 2 to Layer 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
	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
	802.1x authentication, MAC address authentication, and combined authentication on a per port basis
	Portal authentication on a per VLANIF interface basis
Management and Maintenance	Stacking
	MAC Forced Forwarding (MFF)
	Virtual cable test
	SNMP v1/v2c/v3
	RMON
	Web-based NMS
	System logs and alarms of different levels
Interoperability	Supports VBST (Compatible with PVST/PVST+/RPVST)
	Supports LNP (Similar to DTP)
	Supports VCMP (Similar to VTP)
Operating Environment	Operating temperature: 0°C to 50°C
	Relative humidity: 5% to 95% (non-condensing)
Input Voltage	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, Maximum voltage range: –36V to –72V
	Note: PoE-support switches do not use DC power supplies.
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm
Power Consumption	< 78W

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