S5700-52C-EI (02352354) Datasheet

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Overview

Huawei S5700-52C-EI is one of the S5700 Series Switches. S5700 Series Switches provide highly scalable gigabit access for terminals in enterprise campus networks; also ideal for resilient server support and aggregation in large-scale data centers.

Quick Specification

Table 1 shows the quick specification.

Model	S5700-52C-EI
Part Number	02352354
Fixed Interfaces	48 x 10/100/1,000 Base-T ports
Extended Slots	two extended slots, one for an uplink sub-card and the other for a stack card
Subcards supported	4 x 1,000 Base-X SFP subcard, 2 x 10 GE SFP+ subcard, and 4 x 10 GE SFP+ subcard
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
power consumption	< 88W
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm
Weight	Empty: ≤ 5 kg (11.02 lb) Fully loaded: ≤ 8.5 kg (18.74 lb)

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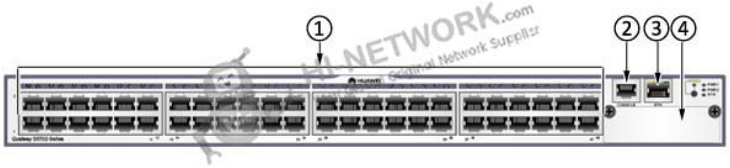
Figure 1 shows the appearance of S5700-52C-EI.

Product Details

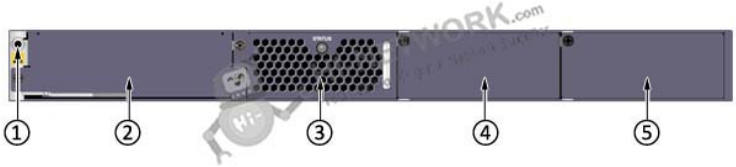
Figure 2 shows the front panel of S5700-52C-EI.



Note:

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

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



Note:

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

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The Modules, Cards

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

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-EI and S5700-28C-PWR-EI-AC.

Model	S5700-52C-EI	S5700-28C-PWR-EI-AC
Fixed Interfaces	48 x 10/100/1,000 Base-T ports	24 x 10/100/1,000 Base-T
Extended Slots	two extended slots, one for an uplink sub-card and the other for a stack card	two extended slots, one for an uplink sub-card and the other for a stack card
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
Power Supply	Double hot-swappable AC/DC power supplies	Double hot-swappable AC power supplies
Forwarding Performance	132 Mpps	96 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	Supported

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power consumption	< 88W	< 842W (PoE: 740W)

Get More Information

Do you have any question about the S5700-52C-EI (02352354)?

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Specification

S5700-52C-EI Specification	
Switching Capacity	256 Gbit/s
Forwarding Performance	132 Mpps
Fixed Ports	48 x 10/100/1,000 Base-T ports
Extended Slots	S5700C provides two extended slots, one for an uplink subcard and the other for a stack card.
MAC Address Table	IEEE 802.1d compliance 32K MAC 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) BFD for OSPF, BFD for IS-IS, BFD for VRRP, and BFD for PIM STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s) BPDU protection, root protection, and loop protection E-Trunk
IP Routing	Static routing, RIPv1/v2, RIGng, OSPF, OSPFv3, IS-IS, IS-ISv6, BGP, BGP4+, 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 IPv4 and IPv6 dual stack

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	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 IGMP v1/v2/v3, PIM-SM, PIM-DM, and PIM-SSM MSDP
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, PQ, WRR + PQ, and DRR + PQ queue scheduling algorithms WRED (supported by the S5710-EI) 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
Management and Maintenance	iStack MAC Forced Forwarding (MFF) Virtual cable test SNMP v1/v2c/v3 RMON Web NMS System logs and alarms of different levels NetStream (supported by S5710-EI) sFlow
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 AC, 50 Hz/60 Hz Maximum voltage range: 90V to 264V AC, 50 Hz/60 Hz

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	DC: Rated voltage range: –48V to –60V, DC Maximum voltage range: –36V to –72V, DC 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	< 88W

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