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Overview

Huawei S5710-52C-PWR-EI-AC 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 show the quick specification.

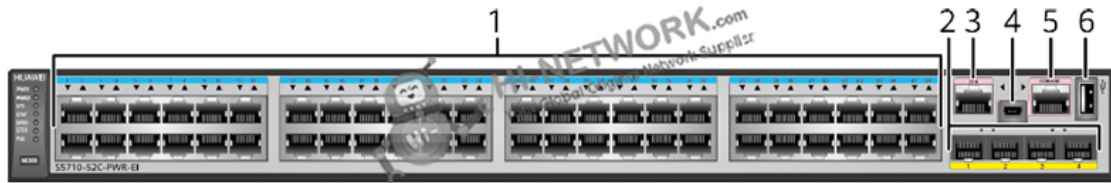
Model	S5710-52C-PWR-EI-AC
Part Number	02354042
Extended Slots	two extended slots that support uplink sub-cards
Subcards supported	2 x 10 GE SFP+ subcard, 8 x 10/100/1,000 BASE-T subcard, and 8 x 1,000 Base-X subcard
Switching Capacity	416 Gbit/s
Forwarding Performance	192 Mpps
Fixed Interfaces	48 x 10/100/1,000 Base-T ports, 4 x 10 GE SFP+ ports
PoE Available	PoE+
Power Supply	Double hot-swappable AC power supplies (A 580W AC power unit is included in S5710-52C-PWR-EI-AC model)
Memory (RAM)	512 MB
Flash	200 MB
Dimensions (W x D x H)	442.0 mm x 420.0 mm x 44.4 mm (17.4 in. x 16.5 in. x 1.75 in.)
Weight	Empty: ≤ 6 kg (13.23 lb) Fully loaded: ≤ 10 kg (22.05 lb)

Figure 1 shows the appearance of S5710-52C-PWR-EI-AC.



Product Details

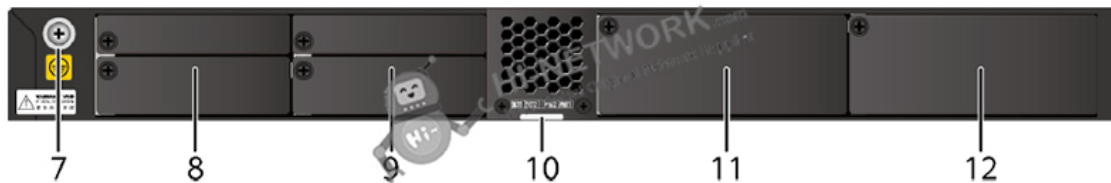
Figure 2 shows the front panel of S5710-52C-PWR-EI-AC.



Note:

(1)	Forty-eight PoE+ 10/100/1000BASE-T ports	(4)	One mini USB port
(2)	Four 10GE SFP+ ports	(5)	One console port
(3)	One ETH management port	(6)	One USB port

Figure 3 shows the back panel of S5710-52C-PWR-EI-AC.



Note:

(7)	Ground screw	(10)	ESN label
(8)	Rear card slot 1	(11)	Power module slot 2
(9)	Rear card slot 2	(12)	Power module slot 1

-You can draw ESN label out to view the ESN and MAC address of the switch.

The Modules, Cards

Table 2 shows the recommended elements for the S5710-52C-PWR-EI-AC.

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	
ES5D21X02S00	2 10 Gig SFP+ interface card (used in S5710EI series)
GE Interface Card	
ES5D21G08T00	8 Ethernet 10/100/1000 ports interface card (used in S5710EI series)
ES5D21G08S00	8 Gig SFP interface card (used in S5710EI series)

Compare with Similar Item

Table 3 shows the comparison of S5710-52C-PWR-EI-AC and S5710-28C-PWR-EI-AC.

Model	S5710-52C-PWR-EI-AC	S5710-28C-PWR-EI-AC
Subcards supported	2 x 10 GE SFP+ subcard, 8 x 10/100/1,000 BASE-T subcard, and 8 x 1,000 Base-X subcard	2 x 10 GE SFP+ subcard, 8 x 10/100/1,000 BASE-T subcard, and 8 x 1,000 Base-X subcard
Switching Capacity	416 Gbit/s	416 Gbit/s
Forwarding Performance	192 Mpps	156 Mpps
Fixed Interfaces	48 x 10/100/1,000 Base-T ports, 4 x 10 GE SFP+ ports	24 Ethernet 10/100/1,000 ports, 4 of which are dual-purpose 10/100/1,000 or SFP, 4 x 10 Gig SFP+ ports
PoE Available	PoE+	PoE+

Get more information

Do you have any question about the S5710-52C-PWR-EI-AC (02354042)?

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

Specification

S5710-52C-PWR-EI-AC Specification	
Fixed port	48 x 10/100/1000Base-T, 4 x 10GE SFP+
MAC address table	IEEE 802.1d compliance MAC address learning and aging Static, dynamic, and blackhole MAC address entries



	<p>Packet filtering based on source MAC addresses</p>
VLAN	<p>4K VLANs</p> <p>Guest VLAN and voice VLAN</p> <p>GVRP</p> <p>MUX VLAN</p> <p>VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and ports</p> <p>1:1 and N:1 VLAN Mapping</p>
Ring protection	<p>RRPP ring topology and RRPP multi-instance</p> <p>Smart Link tree topology and Smart Link multi-instance, providing the millisecond-level protection switchover SEP</p> <p>STP, RSTP, and MSTP</p> <p>BPDU protection, root protection, and loop protection</p> <p>BPDU Tunnel</p>
Reliability	<p>Ethernet OAM (IEEE 802.3ah and 802.1ag)</p> <p>ITU-Y.1731</p> <p>DLDP</p> <p>LACP</p>
MPLS features	<p>MPLS L3VPN</p> <p>MPLS L2VPN(VPWS/VPLS)</p> <p>MPLS-TE</p> <p>MPLS QoS</p> <p>Notes: supported by S5710-EI, S5700-HI and S5710-HI</p>
IP routing	<p>Static routing</p>
IPv6 features	<p>Neighbor Discovery (ND)</p> <p>Path MTU (PMTU)</p> <p>IPv6 ping, IPv6 tracer, and IPv6 Telnet</p> <p>ACLs based on the source IPv6 address, destination IPv6 address, Layer 4 ports, or protocol type</p> <p>MLD v1/v2 snooping</p>
Multicast	<p>IGMP v1/v2/v3 snooping and IGMP fast leave</p> <p>Multicast forwarding in a VLAN and multicast replication between VLANs</p> <p>Multicast load balancing among member ports of a trunk</p> <p>Controllable multicast</p> <p>Port-based multicast traffic statistics</p>
QoS/ACL	<p>Rate limiting on packets sent and received by an interface</p> <p>Packet redirection</p> <p>Port-based traffic policing and two-rate three-color CAR</p> <p>Eight queues on each port</p> <p>WRR, DRR, SP, WRR+SP, and DRR+SP queue scheduling algorithms</p> <p>WRED (supported by the S5710-EI and S5700-HI)</p> <p>Re-marking of the 802.1p priority and DSCP priority</p> <p>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</p> <p>Rate limiting in each queue and traffic shaping on ports</p>
Security	<p>User privilege management and password protection</p> <p>DoS attack defense, ARP attack defense, and ICMP attack defense</p> <p>Binding of the IP address, MAC address, interface, and VLAN</p>



	<p>Port isolation, port security, and sticky MAC</p> <p>MFF</p> <p>Blackhole MAC address entries</p> <p>Limit on the number of learned MAC addresses</p> <p>802.1x authentication and limit on the number of users on an interface</p> <p>AAA authentication, RADIUS authentication, HWTACACS authentication, and NAC</p> <p>SSH v2.0</p> <p>Hypertext Transfer Protocol Secure (HTTPS)</p> <p>CPU defense</p> <p>Blacklist and whitelist</p>
Access Security	DHCP Relay, DHCP Server, DHCP Snooping, DHCP Security
Management and maintenance	<p>Virtual cable test</p> <p>Port mirroring and RSPAN (remote port mirroring)</p> <p>Remote configuration and maintenance using Telnet</p> <p>SNMP v1/v2c/v3</p> <p>RMON</p> <p>Web NMS</p> <p>HGMP</p> <p>System logs and alarms of different levels</p> <p>802.3az EEE (supported by the S5700(S)-LI, S5710-EI, S5700-HI and S5710-HI)</p> <p>NetStream (supported by the S5710-EI, S5700-HI and S5710-HI)</p>
Interoperability	<p>Supports VBST (Compatible with PVST/PVST+/RPVST)</p> <p>Supports LNP (Similar to DTP)</p> <p>Supports VCMP (Similar to VTP)</p>
Operating environment	<p>Operating temperature: 0°C–50°C</p> <p>Relative humidity: 10%–90% (non-condensing)</p>
Input voltage	<p>AC:</p> <p>Rated voltage range: 100 V to 240 V AC, 50/60 Hz</p> <p>Maximum voltage range: 90 V to 264 V AC, 47/63 Hz</p> <p>DC:</p> <p>Rated voltage range: –48 V to –60 V, DC</p> <p>Maximum voltage range: –36 V to –72 V DC</p> <p>Note: PoE-support switches do not use DC power supplies.</p>
Dimensions (W x D x H)	442 x 420 x 43.6 mm
Power consumption	< 1043W with two 580W AC supplies (PoE:740W), or <1625W with two 1150W AC supplies (PoE:1440W)

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