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Overview

The S5710-52C-PWR-EI gigabit enterprise switch is next-generation energy-saving switch developed by Huawei to meet the demand for high-bandwidth access and Ethernet multi-service aggregation. With 48 GE ports and 2 extended slots, it provides a large switching capacity and high-density GE ports for users, widely used in various application scenarios like enterprise park access, convergence, gigabit access of data center application scenarios. It also has multiple card modules to select and unique PoE function. The S5710-52C-PWR-EI is easy to install and maintain, reducing workloads for network planning, construction, and maintenance, then it uses advanced reliability, security, and energy conservation technology to help enterprise customers build a next-generation IT network.

Quick Specification

Table 1 show the quick specification.

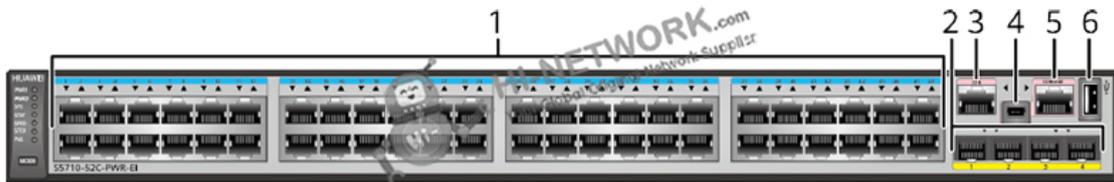
Model	S5710-52C-PWR-EI
Part Number	02355886
Fixed Ports	48 x 10/100/1,000 Base-T 4 x 10 GE SFP+
Extended Slots	2 extended slots
Memory (RAM)	512 MB
Flash	200 MB
MAC Address Table Size Forwarding Performance	32K MAC
Forwarding Performance	192 Mpps
Switching Capacity	416 Gbit/s
Power Supply	AC Double hot-swappable AC power supplies
Voltage Required	AC: Rated voltage range: 100V to 240V AC, 50/60 Hz Maximum voltage range: 90V to 264V AC, 50/60 Hz
Power Consumption Operational	< 1,043W with two 580W
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm
PoE	Supported

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



Product Details

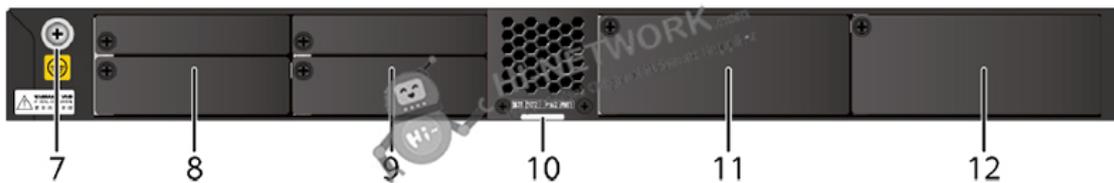
Figure 2 shows the front panel of S5710-52C-PWR-EI.



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.



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

*The ground screw is used with a ground cable.

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

* AC power supply is built-in here.

Recommended Modules

Table 2 shows the recommended modules.

Typet	Model	Description
Power Module	W2PSA0580	580W AC power module
	W2PSA1150	1150W AC Power Module
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)
	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)
Copper Transceiver	SFP-1000BaseT	Electrical Transceiver, SFP, GE, Electrical Interface Module (100m, RJ45)
Card	ES5D21X02S00	2 10 Gig SFP+ interface card (used in S5710EI series)
	ES5D21G08S00	8 Gig SFP interface card (used in S5710EI series)
	ES5D21G08T00	8 Ethernet 10/100/1000 ports interface card (used in S5710EI series)

Compare with Similar Item

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

Models	S5710-52C-EI	S5710-52C-EI-AC	S5710-52C-PWR-EI	S5710-52C-PWR-EI-AC
Fixed Ports	48 x 10/100/1,000 Base-T, 4 x 10 GE SFP+	48 x 10/100/1,000 Base-T, 4 x 10 GE SFP+	48 x 10/100/1,000 Base-T, 4 x 10 GE SFP+	48 x 10/100/1,000 Base-T, 4 x 10 GE SFP+
Extended Slots	2 extended slots for uplink subcards	2 extended slots for uplink subcards	2 extended slots for uplink subcards	2 extended slots for uplink subcards.
Power Supply	Double hot-swappable AC/DC	AC power supply	Double hot-swappable AC power supplies	Double hot-swappable AC power supplies
Forwarding Performance	192 Mpps	192 Mpps	192 Mpps	192 Mpps
Switching Capacity	416 Gbit/s	416 Gbit/s	416 Gbit/s	416 Gbit/s
Power Consumption	< 165W	< 165W	PoE model:< 1,043W with two 580W AC supplies (PoE: 740W) or < 1,625W with two 1,150W	PoE model:< 1,043W with two 580W AC supplies (PoE: 740W) or < 1,625W with two 1,150W



			AC supplies (PoE: 1,440W)	AC supplies (PoE: 1,440W)
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Get more information

Do you have any question about the S5710-52C-PWR-EI (02355886)?

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Specification

S5710-52C-PWR-EI 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: S5700-HI: 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 DLDP 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	<p>Static routing</p> <p>RIPv1, RIPv2 and RIPv3, ECMP (supported by the S5700-SI/S5700-EI/S5700-HI series)</p> <p>OSPF, OSPFv3, IS-IS, IS-ISv6, BGP and BGP4+ (supported by the S5700-EI/S5700-HI series)</p>
IPv6 features	<p>Neighbor Discovery (ND)</p> <p>Path MTU (PMTU)</p> <p>IPv6 ping, IPv6 traceroute, 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> <p>6to4 tunnel, ISATAP tunnel, and manually configured tunnel (supported by the S5700-SI/S5700-EI/S5700-HI series)</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> <p>IGMP v1/v2/v3, PIM-SM, PIM-DM, PIM-SSM, MSDP (supported by the S5700-EI/S5700-HI series)</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>Dying gasp (supported by the S5700-HI, S5710-HI and S5700(S)-LI(except battery LAN switches))</p> <p>NetStream (supported by the S5710-EI, S5700-HI and S5710-HI)</p> <p>sFlow(supported by the S5700(S)-LI/S5700-EI/S5700-HI series)</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>

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