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Overview

Huawei S5710-28C-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.

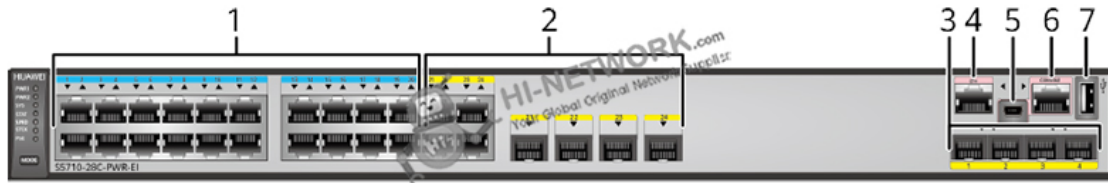
Model	S5710-28C-PWR-EI-AC
Part Number	02354038
Extended Slots	two extended slots that support uplink sub-cards
Subcards supported	2 x 10 GE SFP+ subcard, 8 x 10/100/1,000 BASE-T subcard, and 8 x 1,000 Base-X subcard
Switching Capacity	416 Gbit/s
Forwarding Performance	156 Mpps
Fixed Interfaces	24 x 10/100/1,000 Base-T, two GE SFP combo ports, 4 x 10 GE SFP+ ports
PoE Available	PoE+
Power Supply	Double hot-swappable AC power supplies, including one 580W AC power unit
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 S5710-28C-PWR-EI-AC.



Product Details

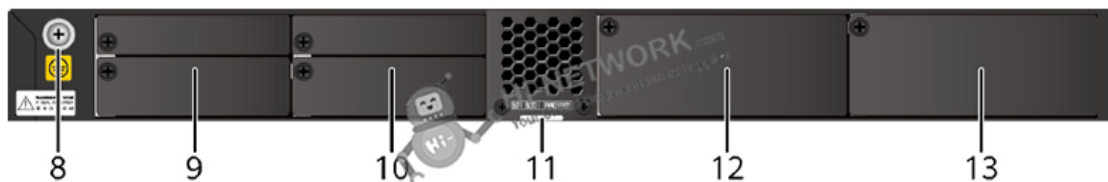
Figure 2 shows the front panel of S5710-28C-PWR-EI-AC.



Note:

(1)	Twenty PoE+ 10/100/1000BASE-T ports	(5)	One mini USB port
(2)	Four combo ports (10/100/1000BASE-T (PoE+) + 100/1000BASE-X)	(6)	One console port
(3)	Four 10GE SFP+ ports	(7)	One USB port
(4)	One ETH management port		

Figure 3 shows the back panel of S5710-28C-PWR-EI-AC.



Note:

(8)	Ground screw	(11)	ESN label
(9)	Rear card slot 1	(12)	Power module slot 2
(10)	Rear card slot 2	(13)	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 S5710-28C-PWR-EI-AC.

Model	Description
FE-SFP Optical Transceiver	
SFP-FE-SX-MM1310	Optical Transceiver, SFP, 100M/155M, Multi-mode Module (1310nm, 2km, LC)
eSFP-FE-LX-SM1310	Optical Transceiver, eSFP, 100M/155M, Single-mode Module (1310nm, 15km, LC)
S-SFP-FE-LH40-SM1310	Optical Transceiver, eSFP, FE, Single-mode Module (1310nm, 40km, LC)
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 S5710-28C-PWR-EI-AC, S5700-28C-EI, S5700-52C-EI and S5710-52C-PWR-EI.

Model	S5710-28C-PWR-EI-AC	S5700-28C-EI	S5700-52C-EI	S5710-52C-PWR-EI
Switching Capacity	416 Gbit/s	256 Gbit/s	256 Gbit/s	416 Gbit/s
Forwarding Performance	156 Mpps	96 Mpps	132 Mpps	192 Mpps
Fixed Ports	24 x 10/100/1,000 Base-T, 4 of which are dual-purpose 10/100/1,000 or SFP, 4 x 10 GE SFP+	24 x 10/100/1,000 Base-T	48 x 10/100/1,000 Base-T	48 x 10/100/1,000 Base-T, 4 x 10 GE SFP+
Extended Slots	two extended slots for uplink subcards.	two extended slots, one for an uplink subcard and the other for a stack card.	two extended slots, one for an uplink subcard and the other for a stack card.	two extended slots for uplink subcards.
PoE Available	PoE+	No	No	PoE+
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	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	2 x 10 GE SFP+ subcard, 8 x 10/100/1,000 BASE-T subcard, and 8 x 1,000 Base-X subcard

Get more information

Do you have any question about the S5710-28C-PWR-EI-AC (02354038)?

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

Specification

S5710-28C-PWR-EI-AC Specification	
Fixed port	20 x 10/100/1000Base-T, 4 x GE Combo, 4 x 10GE SFP+
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
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
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 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
MPLS features	MPLS L3VPN MPLS L2VPN(VPWS/VPLS) MPLS-TE MPLS QoS
IP routing	Static routing
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
Multicast	IGMP v1/v2/v3 snooping and IGMP fast leave Multicast forwarding in a VLAN and multicast replication between VLANs

	<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>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>MF</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>
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>
Dimensions (W x D x H)	442 x 420 x 43.6 mm
Power consumption	<942W

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