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Overview

The S5710-28C-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 24 GE ports and 2 extended slots, it provides a large switching capacity and high-density GE ports to implement 10 Gbit/s upstream transmissions, widely used in various application scenarios like enterprise park access, convergence, gigabit access of data center application scenarios. The S5710-28C-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.

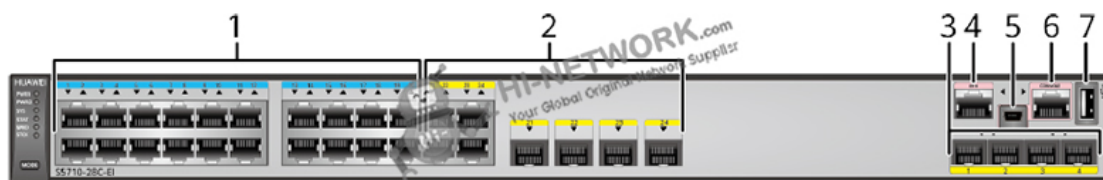
Model	S5710-28C-EI
Part Number	02353170
Fixed Ports	24 Ethernet 10/100/1,000 ports, 4 of which are dual-purpose 10/100/1,000 or SFP, 4 10 Gig SFP+ ports
Extended Slots	2 extended slots
Memory (RAM)	512 MB
Flash	V200R001: 64 MB V200R002 and later versions: 200 MB
MAC Address Table Size Forwarding Performance	32K MAC
Forwarding Performance	156 Mpps
Switching Capacity	416 Gbit/s
Power Supply	Double hot-swappable AC/DC 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 DC: Rated voltage range: -48V to -60V, DC Maximum voltage range: -36V to -72V, DC
Power Consumption Operational	< 100W
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm
Weight	7 kg

Figure 1 shows the appearance of S5710-108C-PWR-HI.



Product Details

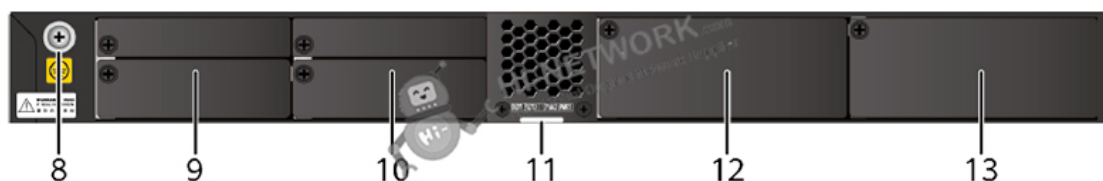
Figure 2 shows the front panel of S5710-108C-PWR-HI.



Note:

(1)	Twenty 10/100/1000BASE-T ports	(5)	One mini USB port
(2)	Four combo ports (10/100/1000BASE-T + 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 S5710-108C-PWR-HI.



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.

Recommended Modules

Table 2 shows the recommended optical modules.

Category	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, SFP, FE, Single-mode Module (1310nm, 40km, LC)
GE-SFP Optical Transceiver	SFP-1000BaseT	Electrical Transceiver, SFP, GE, Electrical Interface Module (100m, RJ45)
	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)

Compare with Similar Item

Table 3 shows the comparison of S5700-28C-EI, S710-28C-EI and S5710-28C-PWR-EI-AC.

Models	S5700-28C-EI	S710-28C-EI	S5710-28C-PWR-EI-AC
Fixed Ports	24 x 10/100/1,000 Base-T	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, 4 of which are dual-purpose 10/100/1,000 or SFP, 4 x 10 GE SFP+
Extended Slots	2 extended slots, one for an uplink subcard and the other for a stack card	2 extended slots for uplink subcards	2 extended slots for uplink subcards.
Power Supply	Double hot-swappable AC/DC	Double hot-swappable AC/DC	Double hot-swappable AC, PoE+
Forwarding Performance	96 Mpps	156 Mpps	156 Mpps
Switching Capacity	256 Gbit/s	416 Gbit/s	416 Gbit/s
Power Consumption	< 60W	< 100W	< 942W

Get more information

Do you have any question about the S5710-28C-EI (02353170)?

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Specification

S5710-28C-EI Specification	
Fixed port	24x10/100/1000Base-T
Extended slot	S5700C Provide two extended slots, one for an uplink subcard and the other for a stack card. S5710C Provide two extended slots for uplink subcards.
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 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



	<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)</p> <p>Re-marking of the 802.1p priority and DSCP priority</p> <p>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</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>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>
Management and maintenance	<p>iStack</p> <p>MAC Forced Forwarding (MFF)</p> <p>Virtual cable test</p> <p>SNMP v1/v2c/v3</p> <p>RMON</p> <p>Web NMS</p> <p>System logs and alarms of different levels</p> <p>NetStream (supported by S5710-EI)</p> <p>sFlow</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: 0oC–50oC</p> <p>Relative humidity: 5%–95% (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, 50/60 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 mm x 420 mm x 43.6 mm
Power consumption	<p>Non-PoE model: < 60W</p> <p>PoE model: < 842W (PoE: 740W)</p>

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