S5710-108C-PWR-HI (02354043) Datasheet

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Overview

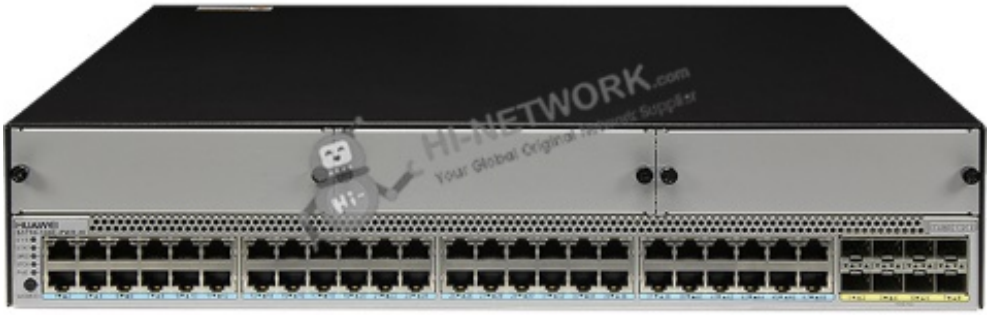
The S5710-108C-PWR-HI is advanced Ethernet switch based on new generation of high-performance hardware and Huawei Versatile Routing Platform (VRP). With 48 GE ports (10/100/1000Base-T) and 8 x 10 GE SFP+ ports, it provides a large switching capacity, high-density GE interfaces for users. What's more, it can be equipped with multiple types of card modules to meet different demands of users, and the PoE function ensures constant large power supply. All these features make the S5710-108C-PWR-HI the best choice as an access switch on large and medium-sized campus networks or data centers and aggregation switch on small campus networks. The S5710-108C-PWR-HI integrates many advanced technologies in terms of reliability, security, and energy conservation in order to help enterprise customers build a next-generation IT network.

Quick Specification

Table 1 show the quick specification.

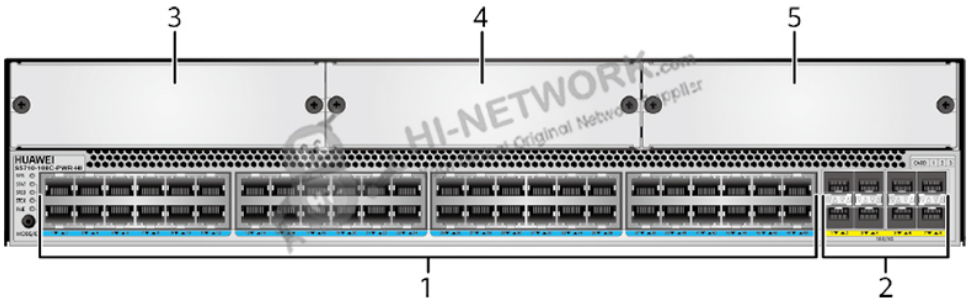
Model	S5710-108C-PWR-HI
Part Number	02354043
Ports	- 48 x 10/100/1,000 BASE-T ports, - 8 x 10 GE SFP+ ports
Extended Slots	Three slots on the front panel, One slot at the real panel
Memory (RAM)	1 GB
Flash	200 MB
MAC Address Table Size	456 MAC
Subcard Supported	- Three slots on the front panel: support 16 x 1,000 Base-X SFP subcard and 16 x 10/100/1,000 Base-T subcard - One slot at the real panel: supports 4 x 40 GE QSFP+ subcard and 4 x 10 GE SFP+ subcard
Voltage Required	AC: Rated voltage range: 100V to 240V, 50/60 Hz Maximum voltage range: 90V to 264V, 50/60 Hz
Power Device	Double swappable AC power supplies
Power Consumption Operational	< 1,680W (Device: 240W, PoE: 1440W)
Forwarding performance	504 Mpps
Switching capacity	1024 Gbit/s
Dimensions (W x D x H)	442 mm x 470 mm x 87.2 mm
Package Weight	15.3 kg
RPS	Not supported

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



Product Details

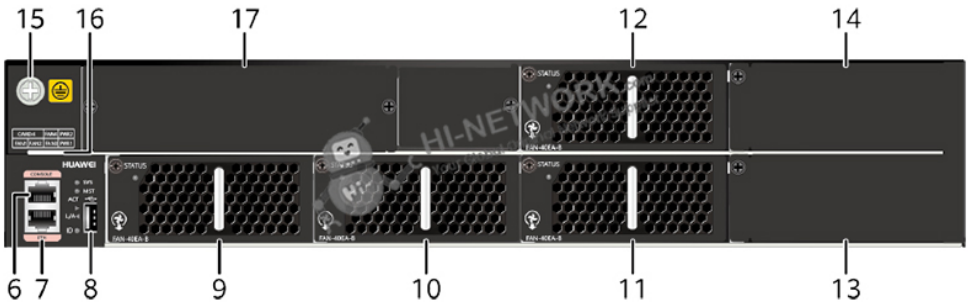
Figure 2 shows the front panel of S5710-108C-PWR-HI.



Note:

(1)	Forty-eight PoE+ 10/100/1000BASE-T ports	(4)	Front card slot 2
(2)	Eight 10GE SFP+ ports	(5)	Front card slot 1
(3)	Front card slot 3		

Figure 3 shows the back panel of S5710-108C-PWR-HI.



Note:

(6)	One console port	(12)	Fan slot 4
(7)	One ETH management port	(13)	Power module slot 1
(8)	One USB port	(14)	Power module slot 2

(9)	Fan slot 1	(15)	Ground screw
(10)	Fan slot 2	(16)	ESN label
(11)	Fan slot 3	(17)	Rear card slot

* Ground screw is used with a ground cable.

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

Recommended Modules

Table 2 shows the recommended modules.

Category	Model	Description
Power Module	W0PSA1701	170W AC Power Module (Used In HI Series)
	PAC-350WA-B	350W AC Power Module (Back to Front, Power panel side exhaust)
Optical Transceivers	OMXD30000	Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)
	OSX010000	Optical Transceiver, SFP+, 10G, Single-mode Module (1310nm, 10km, LC)
	SFP-10G-USR	10GBase-USR Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.1km, LC)
	eSFP-GE-SX-MM850	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.5km, 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)
Copper Transceivers	SFP-1000BaseT	1000BASE-T (RJ45) SFP Electrical Module, Auto Negotiate,100m
Card	ES5D21X04S00	4 10 Gig SFP+ Interface Card (used in S5710HI series)
	ES5D21L04Q00	4 40 Gig QSFP+ Interface Card (used in S5710HI series)

Compare with Similar Item

Table 3 shows the comparison of S5710-108C-PWR-HI and S5700-28C-HI-24S.

Models	S5710-108C-PWR-HI	S5700-28C-HI-24S
Fixed Ports	48 x 10/100/1,000 BASE-T, 8 x 10 GE SFP+	24 x 100/1,000 Base-X
Extended Slots	4 extended slots	1 extended slot
Power Supply	Double swappable AC power supplies	Double hot-swappable AC
Forwarding Performance	504 Mpps	96 Mpps

Switching Capacity	1024 Gbit/s	256 Gbit/s
Power Consumption	< 1,680W (Device: 240W, PoE: 1440W)	<80W

Get more information

Do you have any question about the S5710-108C-PWR-HI (02354043)?

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

Specification

S5710-108C-PWR-HI Specification	
Fixed port	48 × 10/100/1000BASE-T, 8 × 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 MAC address entries: 456K
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 Notes
IP routing	Static routing
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
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
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, SP, WRR+SP, and DRR+SP queue scheduling algorithms Re-marking of the 802.1p priority and DSCP priority 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 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 MFF 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
Access Security	DHCP Relay, DHCP Server, DHCP Snooping, DHCP Security
Management and maintenance	Virtual cable test Port mirroring and RSPAN (remote port mirroring) Remote configuration and maintenance using Telnet SNMP v1/v2c/v3 RMON Web NMS HGMP System logs and alarms of different levels 802.3az EEE Dying gasp
Interoperability	Supports VBST (Compatible with PVST/PVST+/RPVST) Supports LNP (Similar to DTP) Supports VCMP (Similar to VTP)
Operating environment	Operating temperature: 0℃–50℃ Relative humidity: 10%–90% (non-condensing)

Input voltage	AC: Rated voltage range: 100 V to 240 V AC, 50/60 Hz Maximum voltage range: 90 V to 264 V AC, 47/63 Hz
Dimensions (W x D x H)	442x470.0x87.2
Power consumption	<1680W (PoE:1440W)

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