

# S5720-52X-PWR-SI-AC Datasheet



## Overview

[Huawei S5720-52X-PWR-SI-AC](#) is a Layer 3 Ethernet switch. It supports forty-eight Ethernet 10/100/1,000 PoE+ ports and 4 x 10G SFP. It offers double hot-swappable AC/DC power supplies, one AC power module is configured by default.

## Quick Specs

Figure 1 shows the appearance of Huawei S5720-52X-PWR-SI-AC switch.

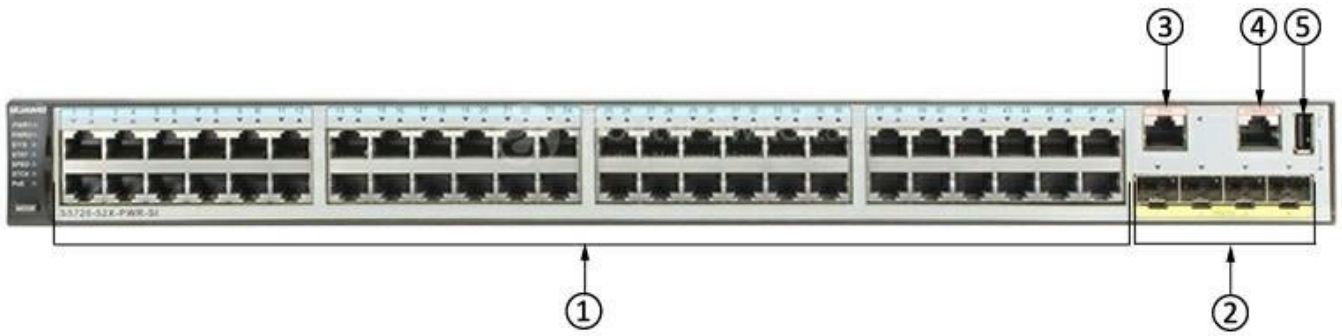


Table 1 shows the Quick Specs.

Product Code	S5720-52X-PWR-SI-AC
Downlink Ports	48 x Ethernet 10/100/1,000 PoE+ ports
Uplink Interfaces	4 x 10 Gig SFP+
Forwarding Performance	132 Mpps
Switching Capacity	336 Gbit/s
Stack	Supported
Stack Ports	GE electrical ports and 10GE SFP+ optical ports on the front panel
Memory (RAM)	512 MB
Flash	240 MB
Dimensions (W x D x H)	44.2 cm x 42 cm x 4.44 cm
Weight (Kg)	9.6 Kg

## Product Details

Figure 2 shows the front panel of Huawei S5720-52X-PWR-SI-AC switch.



Note:

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

Figure 3 shows the back panel of Huawei S5720-52X-PWR-SI-AC switch.



Note:

(1)	Ground screw
(2)	Power module slot 2
(3)	Power module slot 1

· Double hot swappable AC/DC power supplies, one 500W AC or 650W DC power module is configured by default.

## The Transceiver

Table 2 shows the recommended transceivers.

Model	Description
<b>GE-SFP Optical Transceiver</b>	
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)
10GE 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 to Similar Items

Table 3 shows the comparison of Huawei S5720-52X-PWR-SI-AC and S5720-52X-SI-AC switches.

Models	S5720-52X-PWR-SI-AC	S5720-52X-SI-AC
Downlink Ports	48 x Ethernet 10/100/1,000 PoE+ ports	48 x Ethernet 10/100/1,000 ports
Uplink Ports	4 x 10 Gig SFP+	4 x 10 Gig SFP+
Power Supply	AC Power Supply	AC Power Supply
PoE	Supported	None

## Get more information

Do you have any question about the Huawei S5720-52X-PWR-SI-AC switch? Contact us now via Live Chat or [jack@skywardtel.com](mailto:jack@skywardtel.com).

## Specification

S5720-52X-PWR-SI-AC Specification	
Fixed Port	48 x Ethernet 10/100/1,000 PoE+ ports 4 x 10 Gig 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: S5700-SI series - 16K
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
<b>Reliability</b>	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)
<b>MPLS features</b>	MPLS L3VPN
	MPLS L2VPN(VPWS/VPLS)
	MPLS-TE
	MPLS QoS
	Notes: supported by S5710-EI, S5700-HI and S5710-HI
<b>IP routing</b>	Static routing
	RIPv1, RIPv2 and RIPv3,ECMP(supported by the S5700-SI/S5700-EI/S5700-HI series)
	OSPF, OSPFv3, IS-IS, IS-ISv6, BGP and BGP4+ (supported by the S5700-EI/S5700-HI series)
<b>IPv6 features</b>	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
	6to4 tunnel, ISATAP tunnel, and manually configured tunnel(supported by the S5700-SI/S5700-EI/S5700-HI series)
<b>Multicast</b>	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, PIM-SSM, MSDP (supported by the S5700-EI/S5700-HI series)
<b>QoS/ACL</b>	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
	WRED (supported by the S5710-EI and S5700-HI)
	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
<b>Security</b>	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
<b>Access Security</b>	DHCP Relay, DHCP Server, DHCP Snooping, DHCP Security
<b>Management and maintenance</b>	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 (supported by the S5700(S)-LI, S5710-EI, S5700-HI and S5710-HI)
	Dying gasp (supported by the S5700-HI, S5710-HI and S5700(S)-LI(except battery LAN switches))
	NetStream (supported by the S5710-EI, S5700-HI and S5710-HI)
	sFlow(supported by the S5700(S)-LI/S5700-EI/S5700-HI series)
<b>Interoperability</b>	Supports VBST (Compatible with PVST/PVST+/RPVST)
	Supports LNP (Similar to DTP)

