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Overview

The S5700S-52P-LI-AC gigabit enterprise switch is next-generation energy-saving switch developed by Huawei. With 48 Ethernet ports, 4 GE SFP ports, 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. Using advanced energy conservation technology, the S5700S-52P-LI-AC is dedicated to helping enterprise customers build a reliable and secure next-generation IT network.

## Quick Specification

Table 1 shows the quick specification.

Model	S5700S-52P-LI-AC
Part Number	02353835
Fixed Ports	48 x 10/100/1,000 Base-T Ethernet ports, 4 x GE SFP ports
MAC Address Table Size	16 MAC
Voltage Required	AC: Rated voltage range: 100V to 240V AC, 50/60 Hz Maximum voltage range: 90V to 264V AC, 47/63 Hz
Power Device	AC power supply, supporting RPS
Power Consumption Operational	< 48.4W
Forwarding Performance	78 Mpps
Switching Capacity	256 Gbit/s
Dimensions (W x D x H)	442 mm x 310 mm x 43.6 mm
Weight	4.7 kg

Figure 1 shows the appearance of S5700S-52P-LI-AC.

Product Details

Figure 2 shows the front panel of S5700S-52P-LI-AC.
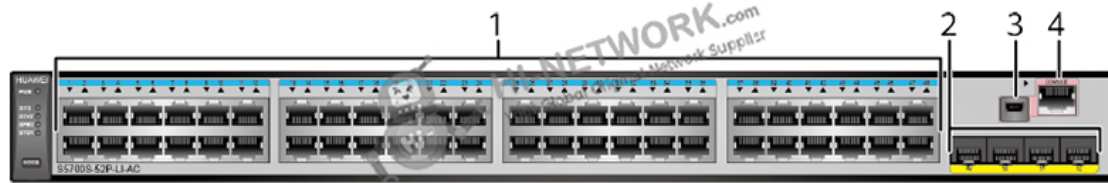
Note:

(1)	Forty-eight 10/100/1000BASE-T ports	(3)	One mini USB port
(2)	Four 1000BASE-X ports	(4)	One console port

Figure 3 shows the back panel of S5700S-52P-LI-AC.

Note:

(5)	Ground screw	(7	Jack for AC power cable locking strap
(6)	RPS socket	(8)	AC socket

* The ground screw is used with a ground cable.

*RPS socket is used with an RPS cable, which is not hot swappable.

*The AC terminal locking latch is not delivered with the switch.

*AC socket is used with an AC power cable.

Optical Modules

Table 2 shows the recommended optical modules.

Model	Description
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)

GE copper transceiver	
SFP-1000BaseT	Electrical Transceiver, SFP, GE, Electrical Interface Module (100m, RJ45)

Compare to Similar Items

Table 3 shows the comparison of Huawei S5700S-52P-LI-AC and S5700-52P-PWR-LI-AC.

Models	S5700S-52P-LI-AC	S5700-52P-PWR-LI-AC
Fixed Ports	48 x 10/100/1,000 Base-T Ethernet ports, 4 x GE SFP ports	48 x 10/100/1,000 Base-T Ethernet ports, 4 x GE SFP ports
Power Supply	AC	AC
PoE	Not supported	Supported
Forwarding Performance	78 Mpps	78 Mpps
Switching Capacity	256 Gbit/s	256 Gbit/s
Power Consumption	< 48.4W	< 464.5W (PoE: 370W)

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Do you have any question about the S5700S-52P-LI-AC (02353835)?

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Specification

S5700S-52P-LI-AC 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	Static routing
	RIPv1, RIPv2 and RIPng, 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)
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
	6to4 tunnel, ISATAP tunnel, and manually configured tunnel (supported by the S5700-SI/S5700-EI/S5700-HI series)
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, PIM-SSM, MSDP (supported by the S5700-EI/S5700-HI series)
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
	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
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 (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)
Interoperability	Supports VBST (Compatible with PVST/PVST+/RPVST)
	Supports LNP (Similar to DTP)
	Supports VCMP (Similar to VTP)
Operating environment	Operating temperature: 0°C–50°C
	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
	DC:
	Rated voltage range: –48 V to –60 V, DC
	Maximum voltage range: –36 V to –72 V DC
	Note: PoE-support switches do not use DC power supplies.

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