S5700-28P-LI-24S-BAT (98010511)
Datasheet

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Overview

Huawei 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. S5700-28P-LI-24S-BAT offers 28 Gig SFP, 4 of which are dual-purpose 10/100/1000 or SFP, and 1 battery slot.

Quick Specification

Table 1 shows the quick specification.

| Model	S5700-28P-LI-24S-BAT
Part Number	98010511
Ports	28 x GE SFP ports, 4 x Combo 10/100/1,000 Base-T Ethernet ports
Forwarding Performance	42 Mpps
Switching Capacity	256 Gbit/s
Stack	Not supported
RAM	256 MB
Flash	200 MB
Power	AC power supply Battery
Heat Dissipation	Built-in fans for forced air cooling
Dimensions (W x D x H)	44.2 cm x 31 cm x 4.36 cm

Figure 1 shows the appearance of S5700-28P-LI-24S-BAT.

Product Details

Figure 2 shows the front panel of S5700-28P-LI-24S-BAT.

Note:

(1)	Twenty 100/1000BASE-X ports	(3)	Four 1000BASE-X ports
(2)	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X)	(4)	One console port

Figure 3 shows the back panel of S5700-28P-LI-24S-BAT.
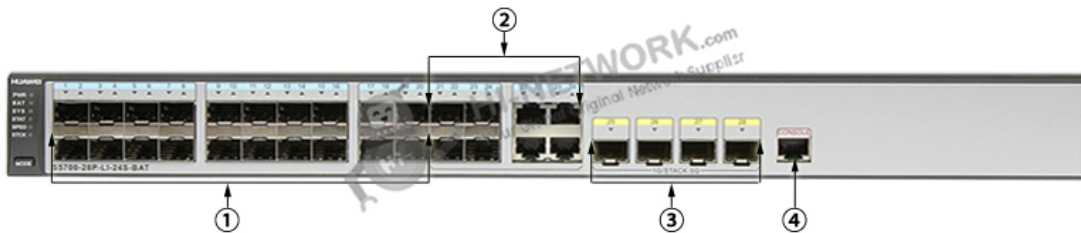
Note:

(1)	Ground screw	(3)	Battery slot
(2)	AC socket		

The Transceiver

Table 2 shows the recommended optical transceivers.

Model	Description
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)

The Power

Table 3 shows the battery module and AC power supply of this switch.

Models	Description
BAT-4AHA	Huawei BAT-4AHA Lithium ion battery unit for S5700
BAT-8AHA	Huawei BAT-8AHA Rechargeable Battery for S5700
ES0W2PSA0150	150W AC Power Module (Black)

The Power

Table 3 shows the battery module and AC power supply of this switch.

Models	S5700-28P-LI-24S-BAT	S5700-28X-LI-24S-AC
Ports	28 Gig SFP,4 of which are dual-purpose 10/100/1000 or SFP	24 x GE SFP ports 4 x Combo 10/100/1,000 Base-T Ethernet ports
Power Supply	AC model, not supporting RPS Support Battery Module	AC model, supporting RPS
Software Image	Lite software Image	Lite software Image

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Do you have any question about the S5700-28P-LI-24S-BAT (98010511)?

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Specification

S5700-28P-LI-24S-BAT Specification	
Fixed port	28 x GE SFP ports, 4 x Combo 10/100/1,000 Base-T Ethernet ports
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℃–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 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.
Dimensions (W x D x H)	44.2 cm x 31 cm x 4.36 cm
Power Consumption	S5700-28P-LI-24S-BAT<34.1W

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