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Overview

The S5701-28X-LI-AC gigabit enterprise switch is next-generation energy-saving switch developed by Huawei. With front power sockets, it can be installed in the 300 mm deep cabinet and be maintained through the front panel, saving space in small equipment rooms, widely used in various application scenarios like enterprise park access, convergence, gigabit access of data center application scenarios. Using advanced energy conservation technology plus twenty-four Base-T Ethernet ports and four 10 GE SFP+ ports, the S5701-28X-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	S5701-28X-LI-AC
Part Number	02357675
Fixed Ports	24 x 10/100/1,000 Base-T Ethernet ports 4 x 10 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	＜ 39.5W
Forwarding Performance	96 Mpps
Switching Capacity	256 Gbit/s
Dimensions (W x D x H)	442 mm x 220 mm x 43.6 mm
Weight	4.5 kg

Figure 1 shows the appearance of S5701-28X-LI-AC.

Product Details

Figure 2 shows the front panel of S5701-28X-LI-AC.
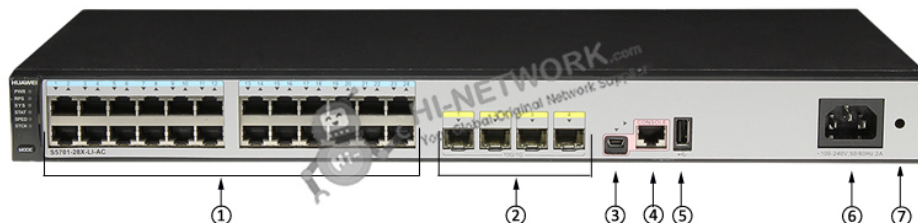
Note:

(1)	Twenty-four 10/100/1000BASE-T ports	(5)	One USB port
(2)	Four 10GE SFP+ ports	(6)	AC socket
(3)	One mini USB port	(7)	Jack for AC terminal locking latch
(4)	One console port		

* The AC socket is used with an AC power cable.

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

Figure 3 shows the back panel of S5701-28X-LI-AC.

Note:

(1)	Ground screw	(2)	RPS socket

* The ground screw is used with a ground cable.

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

Recommended Modules

Table 2 shows the recommended modules.

Model	Description
10GE SFP+ Optical Transceiver	

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	10G Base-USR Optical Transceiver, SFP+, 10G, Multi-mode Module (850nm, 0.1km, LC)
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 S5701-28X-LI-AC and S5701-28X-LI-24S-AC.

Models	S5701-28X-LI-AC	S5701-28X-LI-24S-AC
Fixed Ports	24 x 10/100/1,000 Base-T Ethernet ports, 4 x 10 GE SFP+ ports	24 x GE SFP ports, 4 x Combo 10/100/1,000 Base-T Ethernet ports, 4 x 10 GE SFP+ ports
Forwarding Performance	96 Mpps	96 Mpps
Switching Capacity	256 Gbit/s	256 Gbit/s
Power Supply	AC power supply, front power sockets, front access	AC power supply, front power sockets, front access
Power Consumption	< 39.5W	< 60W

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Do you have any question about the S5701-28X-LI-AC (02357675)?

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Specification

S5701-28X-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℃–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.

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