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Overview

The S5700-28TP-PWR-LI-AC gigabit enterprise switch is next-generation energy-saving switch developed by Huawei. With 24 Ethernet ports, 2 Gig SFP and 2 dual-purpose 10/100/1,000 or SFP, 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 plus PoE function, the S5700-28TP-PWR-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	S5700-28TP-PWR-LI-AC
Part Number	98010537
Fixed Ports	24 x 10/100/1,000 Base-T Ethernet ports, 2 Gig SFP and 2 dual-purpose 10/100/1,000 or SFP
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	< 469.7W
Forwarding Performance	42 Mpps
Switching Capacity	256 Gbit/s
Dimensions (W x D x H)	442 mm x 310 mm x 43.6 mm
Weight	5.7kg

Figure 1 shows the appearance of S5700-28TP-PWR-LI-AC.

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Product Details

Figure 2 shows the front panel of S5700-28TP-PWR-LI-AC.
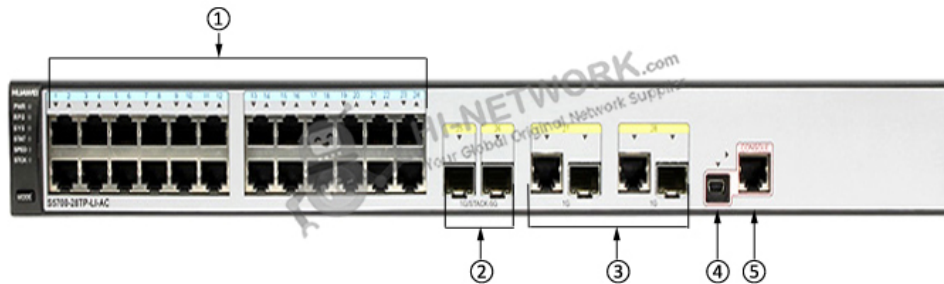
Note:

(1)	Twenty-four PoE+ 10/100/1000BASE-T ports	(4)	One mini USB port
(2)	Two 1000BASE-X ports	(5)	One console port
(3)	Two combo ports		

Figure 3 shows the back panel of S5700-28TP-PWR-LI-AC.

Note:

(1)	Ground screw	(3)	Jack for AC terminal locking latch
(2)	RPS socket	(4)	AC socket

* The ground screw is used with a ground cable.

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

A PoE switch can have an RPS power supply connected to this socket to provide inputs for system power supply and PoE power supply. The two inputs are independent of each other. The RPS power supply can also be used as a backup of the system power supply when it does not provide PoE power.

* 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
FE-SFP Optical Transceiver	
SFP-FE-SX-MM1310	Optical Transceiver, SFP, 100M/155M, Multi-mode Module (1310nm, 2km, LC)
eSFP-FE-LX-SM1310	Optical Transceiver, eSFP, 100M/155M, Single-mode Module (1310nm, 15km, LC)
S-SFP-FE-LH40-SM1310	Optical Transceiver, eSFP, FE, Single-mode Module (1310nm, 40km, 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 S5700-28P-LI-AC, S5700-28P-PWR-LI, S5700-28TP-LI-AC and S5700-28TP-PWR-LI-AC.

Models	S5700-28P-LI-AC	S5700-28P-PWR-LI	S5700-28TP-LI-AC	S5700-28TP-PWR-LI-AC
Fixed Ports	24 x 10/100/1,000 Base-T Ethernet ports, 4 x GE SFP ports	24 x 10/100/1,000 Base-T Ethernet ports, 4 x GE SFP ports	24 x 10/100/1,000 Base-T Ethernet ports, 4 x GE SFP ports, 2 x Combo 10/100/1,000 Base-T Ethernet ports	24 x 10/100/1,000 Base-T Ethernet ports, 4 x GE SFP ports, 2 x Combo 10/100/1,000 Base-T Ethernet ports
Power Supply	AC	AC	AC	AC
PoE	Not supported	Supported	Not supported	Supported
Forwarding Performance	42 Mpps	42 Mpps	42 Mpps	42 Mpps
Switching Capacity	256 Gbit/s	256 Gbit/s	256 Gbit/s	256 Gbit/s

Get more information

Do you have any question about the S5700-28TP-PWR-LI-AC (98010537)?

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

Specification

S5700-28TP-PWR-LI-AC Specification	
Fixed Ports	24 x 10/100/1,000 Base-T Ethernet ports, 4 x GE SFP ports, 2 x Combo 10/100/1,000 Base-T Ethernet ports
MAC Address Table	16K MAC address entries MAC address learning and aging
	Static, dynamic, and blackhole
	MAC address entries
	Packet filtering based on source MAC addresses
	Interface-based MAC learning limiting
VLAN Features	4K VLANs
	Guest VLAN and voice VLAN
	GVRP
	MUX VLAN
	VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and interfaces
	1:1 and N:1 VLAN mapping
Jumbo frame	10K
Reliability	RRPP ring topology and RRPP multi-instance
	Smart Link tree topology and Smart Link multi-instance, providing millisecond-level protection switchover
	SEP
	ERPS (G.8032)
	STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s)
	BPDU protection, root protection, and loop protection
	BPDU tunnel
IP Routing	Static route, RIP, RIPng (S5700-10P-LI-AC/S5700-10P-PWR-LI-AC do not support RIPng)
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, and 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
	Interface-based multicast traffic statistics

QoS/ACL	Rate limiting on packets sent and received by an interface
	Packet redirection
	Interface-based traffic policing and two-rate and three-color CAR
	Eight queues on each interface
	WRR, DRR, SP, WRR + SP, and DRR + SP queue scheduling algorithms
	Re-marking of the 802.1p priority and DSCP priority
	Packet filtering at Layer 2 to Layer 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 interfaces
Security	Hierarchical user management and password protection
	DoS attack defense, ARP attack defense, and ICMP attack defense
	Binding of the IP address, MAC address, interface number, and VLAN ID
	Port isolation, port security, and sticky MAC
	MFF
	Blackhole MAC address entries
	Limit on the number of learned MAC addresses IEEE
	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, and DHCP security
Lightning Protection	Service interface: 6 kV
Super Virtual Fabric (SVF)	Working as an SVF client that is plug-and-play with zero configuration
	Automatically loading the system software package and patches of clients One-click and automatic delivery of service configurations
	Supports independent running client
Management and Maintenance	iStack (excluding S5700-10P-LI-AC, S5700-10P-PWR-LI-AC, S5700S-28P-LI-AC, S5700S-52P-LI-AC and battery LAN switches)
	Virtual Cable Test (VCT)
	Remote configuration and maintenance using Telnet
	SNMP v1/v2c/v3
	RMON
	eSight and web-based NMS
	HTTPS
	LLDP/LLDP-MED

	System logs and multi-level alarms
	802.3az EEE
	Dying Gasp (excluding battery LAN switches)
	Device hibernation mode (excluding PWR serials switches, battery LAN switches, S5700-10P-LI, S5700-28X-LI-24S, S5701-28X-LI-24S-AC and S5700-52X-LI-48CS-AC)
Interoperability	Supports VBST (Compatible with PVST/PVST+/RPVST)
	Supports LNP (Similar to DTP)
	Supports VCMP (Similar to VTP)
Operating Environment	Long-term operating temperature: 0°C to 50°C Relative humidity: 5% to 95% (non-condensing)
Input Voltage	AC: Rated voltage range: 100V to 240V, 50 Hz/60 Hz, Maximum voltage range: 90V to 264V, 47 Hz/63 Hz
Power Socket Position	rear power sockets
Battery	One slot for lead-acid battery charger module (supported by battery LAN switches)
Dimensions (W x D x H)	442 mm x 310 mm x 43.6 mm
Power Consumption	S5701-28TP-PWR-LI-AC < 238.7W (PoE: 185W)

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