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Overview

Huawei S5700-28X-LI-DC is one of the S5700-LI switches. The S5700-LI series gigabit enterprise switches (S5700-LI) are next-generation energy-saving switches developed by Huawei to meet the demand for high-bandwidth access and Ethernet multi-service aggregation. Based on cutting-edge hardware and Huawei Versatile Routing Platform (VRP) software, the S5700-LI provides a large switching capacity and high-density GE ports. The S5700-LI can be used in various enterprise network scenarios. For example, it can function as an access or aggregation switch on a campus network, a gigabit access switch in an Internet data center (IDC), or a desktop switch to provide 1000 Mbit/s access for terminals. The S5700-LI is easy to install and maintain, reducing workloads for network planning, construction, and maintenance. Featuring advanced reliability, security, and energy conservation technologies, the S5700-LI helps enterprise customers build next-generation IT networks.

Quick Specification

Table 1 shows the quick specification.

Model	S5700-28X-LI-DC
Part Number	02354234
Fixed Interfaces	24 x 10/100/1,000 Base-T Ethernet ports, 4 x 10 GE SFP+ ports
Power Supply	DC model, supporting RPS
Forwarding Performance	96 Mpps
Switching Capacity	256 Gbit/s
Memory (RAM)	256 MB
RPS	Supported
PoE	Not supported
Maximum power consumption (100% throughput, full speed of fans)	42 W
Flash	200 MB
Dimensions (W x D x H)	442.0 mm x 220.0 mm x 43.6 mm (17.4 in. x 8.7 in. x 1.72 in.)
Weight	≤ 5 kg (11.02 lb)

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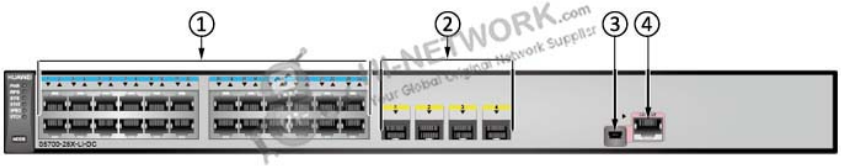
Figure 1 shows the appearance of S5700-28X-LI-DC.

Product Details

Figure 2 shows the front panel of S5700-28X-LI-DC.



Note:

(1)	Twenty-four 10/100/1000BASE-T ports	(3)	One mini USB port
(2)	Four 10GE SFP+ ports	(4)	One console port

Figure 3 shows the back panel of S5700-28X-LI-DC.

Note:

(1)	Ground screw	(3)	DC power terminal
(2)	RPS socket		

The Modules

Table 2 shows the recommended elements for the S5700-28X-LI-DC.

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 S5700-28X-LI-DC, S5700-28P-LI-BAT and S5700-28X-LI-24S-DC.

Model	S5700-28X-LI-DC	S5700-28P-LI-BAT	S5700-28X-LI-24S-DC
Fixed Interfaces	24 x 10/100/1,000 Base-T Ethernet ports, 4 x 10 GE SFP+ ports	24 x 10/100/1,000 Base-T Ethernet ports, 4 x 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
Power Supply	DC model, supporting RPS	AC power supply	DC model, supporting RPS
Forwarding Performance	96 Mpps	42 Mpps	96 Mpps
Switching Capacity	256 Gbit/s	256 Gbit/s	256 Gbit/s
Memory (RAM)	256 MB	256 MB	256 MB
Flash	200 MB	200 MB	200 MB
RPS	Supported	Not supported	Supported
PoE	Not supported	Not supported	Not supported
Maximum power consumption (100% throughput, full speed of fans)	42 W	23 W	57 W

Get More Information

Do you have any question about the S5700-28X-LI-DC (02354234)?

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

Specification

S5700-28X-LI-DC Specification	
Switching Capacity	256 Gbit/s
Fixed Ports	24 x 10/100/1,000 Base-T Ethernet ports, 4 x 10 GE SFP+ 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
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 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
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	DC: Rated voltage range: –48V to –60V, Maximum voltage range: –36V to –72V Note: Models supporting PoE do not use DC power supplies.

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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 220 mm x 43.6 mm
Power Consumption	< 42W

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