S5720-28X-SI-AC Datasheet

Overview

Huawei S5720-28X-SI delivers high performance of switching capacity and powerful layer 3 routing capabilities, such as OSFP/OSPFv3, BGP/BGP4+, ISIS/ISISv6, and provides voice, video and data services, helping enterprises build an integrated full service network with high availability and low latency. The S5720-28X-SI builds with 24 Gigabit Ethernet ports and 4 SFP+ 10G uplinks and it can be used as access or aggregation switches on campus networks or access switches in data centers. The S5720-28X-SI supports intelligent stacking (iStack). Multiple S5720-SI can be connected with stack cables to set up a stack, which functions as a virtual switch. A stack consists of a master switch, a backup switch, and several slave switches. The backup switch takes over services when the master switch fails, reducing service interruption time. Stacks support intelligent upgrade so that users do not need to change the software version of a switch when adding it to a stack. The iStack function allows users to connect multiple switches with stack cables to expand system capacity.

Quick Specs

**Figure 1 shows the appearance of S5720-28X-SI-AC.**

Table 1 shows the Quick Specs.

Product Code	S5720-28X-SI-AC
Switching Capacity	336 Gbit/s
Forwarding Performance	96 Mpps
Downlink Interfaces	24 Ethernet 10/100/1,000 ports, 4 of which are dual-purpose 10/100/1,000 or SFP
Uplink Interfaces	4 x 10 Gig SFP+
Power Supply	Double hot swappable AC power supplies, one AC/DC power module is configured by default
Memory	512 MB
Flash	240 MB
Dimensions (W x D x H)	442.0 mm x 420.0 mm x 44.4 mm
Weight	Empty: ≤ 8 kg (17.64 lb) Fully loaded: ≤ 12 kg (26.46 lb)

Product Details

Figure 2 shows the front panel of S5720-28X-SI-AC.
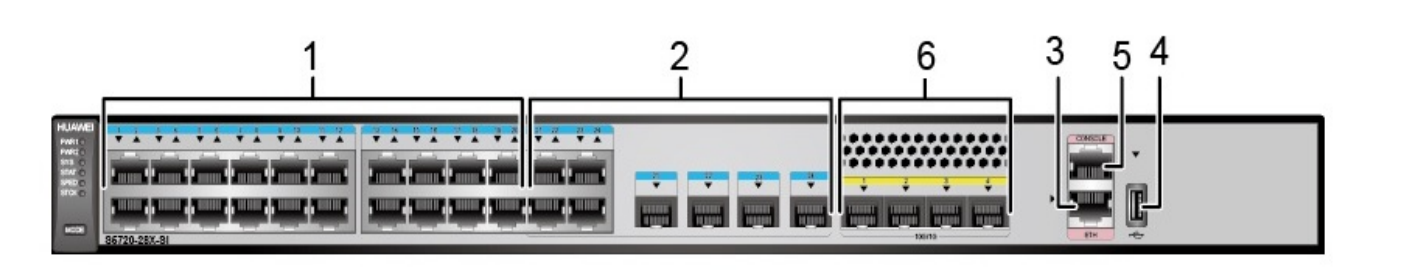
Note:

(1)	Twenty 10/100/1000BASE-T ports
(2)	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X)
(3)	ETH management port
(4)	One USB port
(5)	One console port
(6)	Four 10GE SFP+ ports

·One console port is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.

Figure 3 shows the back panel of S5720-28X-SI-AC.

Note:

(1)	Ground screw
(2)	Power module slot 2
(3)	Power module slot 1

·You can draw ESN labelout to view the ESN and MAC address of the switch.

S5720-28X-SI-AC Specifications

Fixed Ports	24 Ethernet 10/100/1,000 ports, 4 of which are dual-purpose 10/100/1,000 or SFP P series: 4 Gig SFP X series: 4 x 10 Gig SFP+
MAC Address Table	16K
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) STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s) BPDU protection, root protection, and loop protection
IP Routing	Static route, RIPv1, RIPv2, RIPng, ECMP, OSPF, OSPFv3, BGP, BGP4+, IS-IS, IS-ISv6, VRRP, and VRRP6
Multicast	PIM-DM, PIM-SM, and PIM-SSM 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
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 Blackhole MAC address entries MAC Forced Forwarding (MFF) 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 802.1x authentication, MAC address authentication, and combined authentication on a per port basis Portal authentication on a per VLANIF interface basis MACSec (hardware ready)
Super Virtual Fabric (SVF)	Working as an SVF client that is plug-and-play with zero configuration Automatically loading the system software package and client patches One-click and automatic delivery of service configurations Supports independent running client
Management and Maintenance	iStack Virtual cable test SNMP v1/v2c/v3 RMON Web-based NMS System logs and alarms of different levels sFlow
Interoperability	VLAN-based Spanning Tree (VBST) (interoperating with PVST, PVST+, and RPVST) Link-type Negotiation Protocol (LNP) (similar to DTP) VLAN Central Management Protocol (VCMP) (similar to VTP)