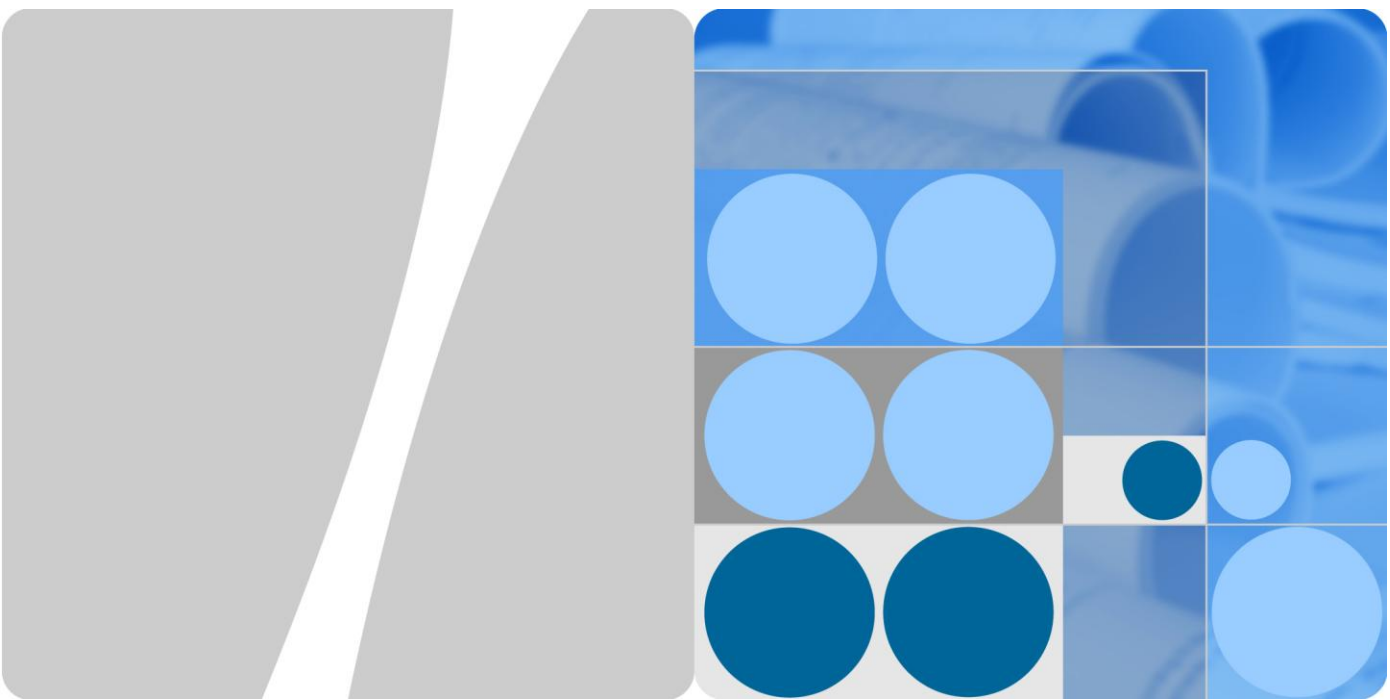




S5700 Series Ethernet Switches

Product Description

Issue **11**
Date **2014-10-25**

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Huawei Technologies Co., Ltd.

Address: Huawei Industrial Base
Bantian, Longgang
Shenzhen 518129
People's Republic of China

Website: <http://enterprise.huawei.com>

About This Document

Intended Audience

This document describes the positioning, characteristics, architecture, link features, service features, application scenarios, operation and maintenance functions, and technical specifications of the switch.

This document helps you understand the characteristics and features of the switch.

This document is intended for:

- Network planning engineers
- Hardware installation engineers
- Commissioning engineers
- Data configuration engineers
- On-site maintenance engineers
- Network monitoring engineers
- System maintenance engineers

Statement

The device provides the mirroring function for network monitoring and fault management, during which communication data may be collected. Huawei alone is unable to collect or save the content of users' communications. It is suggested that you activate the functions based on the applicable laws and regulations in terms of purpose and scope of usage. You are obligated to take considerable measures to ensure that the content of users' communications is fully protected when the content is being used and saved.

The device provides the NetStream function for network traffic statistics collection and advertisement, during which data of users may be used. You are obligated to take considerable measures, in compliance with the laws of the countries concerned and the user privacy policies of your company, to ensure that the data of users is fully protected.

Specification Conventions

The specifications provided in this manual are tested in lab environment (for example, the tested device has been installed with a certain type of boards or only one protocol is run on the device). Results may differ from the listed specifications when you attempt to obtain the maximum values with multiple functions enabled on the device.

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 DANGER	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
 NOTICE	Indicates a potentially hazardous situation which, if not avoided, could result in equipment damage, data loss, performance deterioration, or unanticipated results. NOTICE is used to address practices not related to personal injury.
 NOTE	Calls attention to important information, best practices and tips. NOTE is used to address information not related to personal injury, equipment damage, and environment deterioration.

Change History

Updates between document issues are cumulative. Therefore, the latest document version contains all updates made to previous versions.

Changes in Issue 11(2014-10-25)

The eleventh commercial release has the following updates:

The S5720EI product description is added.

Changes in Issue 10(2014-08-25)

The tenth commercial release has the following updates:

The documentation is modified according to updates in product features.

Changes in Issue 09 (2014-07-20)

The ninth commercial release has the following updates:

The documentation is modified according to updates in product features.

Changes in Issue 08 (2014-05-25)

The eighth commercial release has the following updates:

The documentation is modified according to updates in product features.

Changes in Issue 07 (2014-04-30)

The seventh commercial release has the following updates:

The documentation is modified according to updates in product features.

Changes in Issue 06 (2014-03-20)

The sixth commercial release has the following updates:

The documentation is modified according to updates in product features.

Changes in Issue 05 (2014-03-12)

The fifth commercial release has the following updates:

The documentation is modified according to updates in product features.

Changes in Issue 04 (2013-11-06)

The fourth commercial release has the following updates:

The documentation is modified according to updates in product features.

Changes in Issue 03 (2013-09-30)

The third commercial release has the following updates:

The documentation is modified according to updates in product features.

Changes in Issue 02 (2013-07-25)

The second commercial release has the following updates:

The documentation is modified according to updates in product features.

Changes in Issue 01 (2013-05-30)

Initial commercial release.

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1 Mapping Between the S5700 Series Switches and Software Versions

Figure 1-1 shows S5700 version evolution.

Each version in Figure 1-1 supports at least one model of the S5700.

Figure 1-1 S5700 version evolution

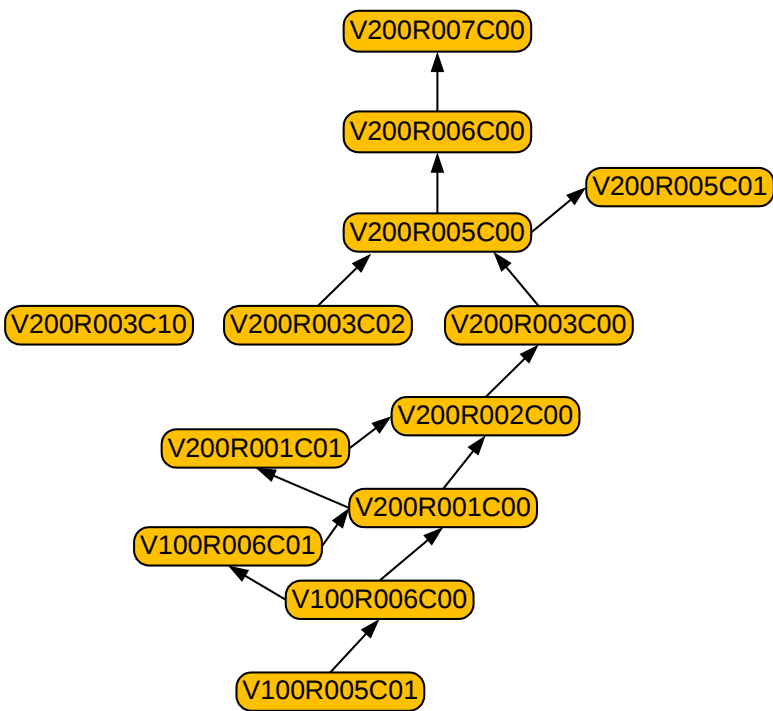


Table 1-1 lists the mapping between S5700-LI series switches and software versions.

Table 1-1 Mapping between the S5700-LI chassis and software versions

Series	Model	Available Version
S5700-LI	S5700-28P-LI-AC	V200R001C00 and later versions

Series	Model	Available Version
	S5700-28P-LI-DC	NOTE This module is not supported in V200R001C01, V200R003C02 and V200R003C10.
	S5700-52P-LI-AC	
	S5700-52P-LI-DC	
	S5700-28P-PWR-LI-AC	
	S5700-52P-PWR-LI-AC	
	S5700-10P-PWR-LI-AC	V200R002C00 and later versions NOTE This module is not supported in V200R003C02 and V200R003C10.
	S5700-10P-LI-AC	
	S5700-28X-LI-AC	
	S5700-28X-LI-DC	
	S5700-52X-LI-AC	
	S5700-52X-LI-DC	
	S5700-28X-PWR-LI-AC	
	S5700-52X-PWR-LI-AC	
	S5700-28X-LI-24S-AC	V200R003C00 and later versions NOTE This module is not supported in V200R003C02 and V200R003C10.
	S5700-28X-LI-24S-DC	
	S5701-28X-LI-AC	
	S5701-28X-LI-24S-AC	
	S5700-28P-LI-BAT	V200R003C02 and later versions NOTE This module is not supported in V200R003C10.
	S5700-28P-LI-24S-BAT	
	S5700-52X-LI-48CS-AC	
	S5700-28TP-LI-AC	V200R003C10 and later versions NOTE This module is not supported in V200R005C00.
	S5700-28TP-PWR-LI-AC	
	S5701-28TP-PWR-LI-AC	

Table 1-2 lists the mapping between S5700S-LI series switches and software versions.

Table 1-2 Mapping between the S5700S-LI chassis and software versions

Series	Model	Available Version
S5700S-LI	S5700S-28P-LI-AC	V200R001C00 and later versions
	S5700S-52P-LI-AC	NOTE This module is not supported in V200R001C01, V200R003C02, V200R003C10, V200R005C01, and V200R005C02.

Table 1-3 lists the mapping between S5710-LI series switches and software versions.

Table 1-3 Mapping between the S5710-LI series switches and software versions

Device Series	Device Model	Available Version
S5710-LI	S5710-28C-LI	Only V200R001C00 version
	S5710-52C-LI	Only V200R001C00 version
	S5710-28C-PWR-LI	Only V200R001C00 version
	S5710-52C-PWR-LI	Only V200R001C00 version

Table 1-4 lists the mapping between S5700-SI series switches and software versions.

Table 1-4 Mapping between the S5700-SI chassis and software versions

Series	Model	Available Version
S5700-SI	S5700-28C-SI	V100R005C01 to V200R005C02 NOTE These chassis models are not supported in V100R006C01, V200R001C01, V200R003C02, V200R003C10, and V200R005C01.
	S5700-52C-SI	
	S5700-24TP-SI-AC	
	S5700-24TP-SI-DC	
	S5700-48TP-SI-AC	
	S5700-48TP-SI-DC	
	S5700-24TP-PWR-SI	
	S5700-48TP-PWR-SI	
	S5700-28C-PWR-SI	V200R001C00 to V200R005C02 NOTE These chassis models are not supported in V200R001C01, V200R003C02, V200R003C10, and V200R005C01.
	S5700-52C-PWR-SI	
	S5700-26X-SI-12S-AC	V200R002C00 to V200R005C02 NOTE These chassis models are not supported in V200R003C02, V200R003C10, and V200R005C01.

Table 1-5 lists the mapping between S5700-EI series switches and software versions.

Table 1-5 Mapping between the S5700-EI chassis and software versions

Series	Model	Available Version
S5700-EI	S5700-28C-EI	V100R005C01 to V200R005C02 NOTE These chassis models are not supported in V200R003C02 and V200R003C10.
	S5700-52C-EI	
	S5700-28C-EI-24S	
	S5700-28C-PWR-EI	
	S5700-52C-PWR-EI	

Table 1-6 lists the mapping between S5710-EI series switches and software versions.

Table 1-6 Mapping between the S5710-EI chassis and software versions

Series	Model	Available Version
S5710-EI	S5710-28C-EI	V200R001C00 to V200R005C02 NOTE These chassis models are not supported in V200R001C01, V200R003C02, V200R003C10, and V200R005C01.
	S5710-52C-EI	
	S5710-28C-PWR-EI-AC	V200R002C00 to V200R005C02 NOTE These chassis models are not supported in V200R003C02, V200R003C10, and V200R005C01.
	S5710-52C-PWR-EI-AC	
	S5710-52C-PWR-EI	

Table 1-7 lists the mapping between S5720-EI series switches and software versions.

Table 1-7 Mapping between the S5720-EI chassis and software versions

Series		Model	Available Version
S5720-EI	S5720-C-EI	S5720-36C-EI-AC	V200R007C00 and later versions
		S5720-56C-EI-AC	
		S5720-36C-EI-28S-AC	
		S5720-56C-EI-48S-AC	
		S5720-36C-PWR-EI-AC	
		S5720-56C-PWR-EI-AC	
		S5720-56C-PWR-EI-AC1	
	S5720-PC-EI	S5720-36PC-EI-AC	
		S5720-56PC-EI-AC	

Series		Model	Available Version
	S5720-X-EI	S5720-32X-EI-AC	
		S5720-52X-EI-AC	
		S5720-50X-EI-AC	
		S5720-32X-EI-24S-AC	
		S5720-50X-EI-46S-AC	
	S5720-P-EI	S5720-32P-EI-AC	
		S5720-52P-EI-AC	

Table 1-8 lists the mapping between S5700-HI series switches and software versions.

Table 1-8 Mapping between the S5700-HI chassis and software versions

Series	Model	Available Version
S5700-HI	S5700-28C-HI	V100R006C01 to V200R005C02 NOTE These chassis models are not supported in V200R003C02 and V200R003C10.
	S5700-28C-HI-24S	V100R006C01 to V200R005C02 NOTE These chassis models are not supported in V200R003C02 and V200R003C10.

Table 1-9 lists the mapping between S5710-HI series switches and software versions.

Table 1-9 Mapping between the S5710-HI chassis and software versions

Series	Model	Available Version
S5710-HI	S5710-108C-PWR-HI	V200R003C00 to V200R005C02 NOTE This chassis model is not supported in V200R003C02, V200R003C10, and V200R005C01.

Table 1-10 lists the mapping between S5720-HI series switches and software versions.

Table 1-10 Mapping between the S5720-HI chassis and software versions

Series	Model	Available Version
S5720-HI	S5720-56C-HI-AC	V200R006C00 and later versions

Series	Model	Available Version
	S5720-56C-PWR-HI-AC	
	S5720-32C-HI-24S-AC	



NOTE

Unless otherwise specified, this document describes matching hardware and software performance of the switch in the latest version.

2 Product Overview

About This Chapter

- [2.1 Product Positioning](#)
- [2.2 Product Characteristics](#)

2.1 Product Positioning

The S5700 series ethernet switches (S5700 for short) 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 provides a large switching capacity, high reliability (double power slots and hardware Ethernet OAM), and high-density GE ports to accommodate 10 Gbit/s upstream transmissions. It also supports Energy Efficient Ethernet (EEE) and iStack. The S5700 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 is available in a lite (LI) series, a standard (SI) series, an enhanced (EI) series, and a hyper (HI) series. [Table 2-1](#) describes the differences among the four series.

**NOTE**

Unless otherwise specified, only the product differences in the latest software version are provided here.

Table 2-1 Differences among the four series

Features	LI	SI	EI	HI
IPv4 Routing Protocol	Static route	Static route/RIP	Static route/RIP/OSPF/BGP/ISIS	Static route/RIP/OSPF/BGP/ISIS
IPv6 Routing Protocol	Static route	Static route/RIPng	Static route/RIPng/OSPFv3/BGP4+/ISIS for IPv6	Static route/RIPng/OSPFv3/BGP4+/ISIS for IPv6

Features	LI	SI	EI	HI
Multicast	IGMP snooping/MLD snooping	IGMP Snooping/MLD Snooping	IGMP Snooping/MLD Snooping/IGMP/MLD/MSDP/PIM(IPv4)/PIM(IPv6)	IGMP Snooping/MLD Snooping/IGMP/MLD/MSDP/PIM(IPv4)/PIM(IPv6)
MPLS	Not supported	Not supported	MPLS LDP/MPLS TE/MPLS VPN NOTE Only the S5710-EI supports these functions.	S5700HI: supports MPLS LDP/MPLS TE/MPLS VPN S5710HI: supports MPLS LDP/MPLS TE/MPLS VPN S5720HI: not support MPLS LDP/MPLS TE/MPLS VPN
OAM/BFD	Software level	Software level	Software level	S5700HI: Hardware level S5710HI: Software level S5720HI: Software level
Traffic analysis	sFlow	Not supported	S5700EI: sFlow S5720EI: sFlow S5710EI: NetStream/sFlow	S5700HI/S5710HI: NetStream/sFlow S5720HI: NetStream
iStack	Stacking through service ports NOTE The S5700-10P-LI-AC, S5700-10P-PWR-LI-AC, S5700-28P-LI-BAT, S5700-28P-LI-24S-BAT and S5700S-LI do not support stacking.	Stacking through stack cards NOTE The S5700-26X-SI-12S-AC does not support stacking.	S5700EI: stacking through stack cards S5710EI: stacking through service ports S5720EI: stacking through stack cards	S5700HI: stacking through service ports S5710HI: Not supported S5720HI: Not supported

2.2 Product Characteristics

Various Combination of Ports

The S5700-EI, S5710-EI and S5720-EI support various extended subcards that provide high-density GE/10GE uplink ports. The flexible port combinations meet bandwidth expansion requirements, protecting customers' investment.

Intelligent Stack

The S5700 supports intelligent stack (iStack). This technology combines multiple switches into a logical switch.

Member switches in a stack implement redundancy backup to improve device reliability and use inter-device link aggregation to improve link reliability. iStack provides high network scalability. You can increase ports, bandwidth, and processing capacity of a stack by simply adding member switches to the stack. iStack also simplifies device configuration and management. After a stack is set up, multiple physical switches are virtualized into one logical device. You can log in to any member switch in the stack to manage all the member switches in the stack.

Innovative AHM Energy Saving Technologies

The S5700-LI series (except S5700-52X-LI-48CS-AC, S5700-28P-LI-BAT and S5700-28P-LI-24S-BAT) smart energy-saving switches reduce power consumption without degrading system performance and user experience. The S5700-LI series uses innovative energy-saving technologies including energy efficient Ethernet (EEE), port power detection, dynamic CPU frequency adjustment, and device sleeping. These technologies help reduce power consumption by adjusting power depending on the Up/Down states of links, presence/absence of optical modules, shutdown and undo shutdown operations on ports, and peak and off-peak hours. The S5700-LI series is the industry's first switch series that supports entire device sleeping, and it provides three energy saving modes to adapt to different usage scenarios: standard mode, basic mode, and deep mode.

Comprehensive VPN Technologies

The S5700 supports the multi-VPN-instance CE (MCE) function, which allows users in different VPNs to connect to the same switch and isolates users through multi-instance routing. Users in multiple VPNs connect to a PE device through the same physical uplink port on the switch, which reduces the investment on network deployment. The S5710-EI and S5700-HI support Multiprotocol Label Switching (MPLS) QoS, MPLS traffic engineering (TE), virtual leased line (VLL), virtual private LAN service (VPLS), and Layer 3 virtual private network (L3VPN). They can provide high-quality private line access services for enterprises and are cost-effective case-shaped MPLS switches.

Easy Operation and Maintenance

The S5700 supports EasyDeploy, USB-based deployment, batch remote upgrade and is a plug-and-play product. These functions facilitate device deployment, upgrade, service provisioning, and other management and maintenance operations, and also greatly reduce costs of operation and maintenance. The S5700 can be managed and maintained using Simple Network Management Protocol (SNMP) V1, V2c, and V3, command line interface (CLI), web-based network management system, Telnet, or Secure Shell (SSH) V2.0. Additionally, it

supports remote network monitoring (RMON), multiple log hosts, port traffic statistics collection, and network quality analysis that help in network consolidation and reconstruction.

The S5700 can use the GARP VLAN Registration Protocol (GVRP) to implement dynamic distribution, registration, and propagation of VLAN attributes. GVRP reduces manual configuration workload and ensures correct configuration. Besides, the S5700 supports the MUX VLAN function, which involves a principal VLAN and multiple subordinate VLANs. Subordinate VLANs are classified into group VLANs and separate VLANs. Ports in the principal VLAN can communicate with ports in subordinate VLANs. Ports in a subordinate group VLAN can communicate with each other, whereas ports in a subordinate separate VLAN can communicate only with ports in the principal VLAN.

Excellent Network Traffic Analysis

The S5700 provides the NetStream function and can function as a NetStream data exporter. It periodically collects data traffic statistics, encapsulates the statistics in standard V5, V8, or V9 packets, and sends the packets to the NetStream data collector according to NetStream configuration. The collected statistics are then processed to dynamically generate reports, analyze traffic attributes, and generate alarms on abnormal traffic. The NetStream function helps you optimize network structure and adjust resource deployment in a timely manner.

The S5700 supports the sFlow function. It uses a method defined in the sFlow standard to sample traffic passing through it and sends sampled traffic to the collector in real time. The collected traffic statistics are used to generate statistical reports, helping enterprises maintain their networks.

Flexible Ethernet Networking

In addition to traditional Spanning Tree Protocol (STP), Rapid Spanning Tree Protocol (RSTP), and Multiple Spanning Tree Protocol (MSTP), the S5700 supports Huawei-developed Smart Ethernet Protection (SEP) technology and the latest Ethernet Ring Protection Switching (ERPS) standard. SEP is a ring protection protocol specific to the Ethernet link layer, and applies to various ring network topologies, such as open ring topology, closed ring topology, and cascading ring topology. This protocol is reliable, easy to maintain, and implements fast protection switching within 50 ms. ERPS is defined in ITU-T G.8032. It implements millisecond-level protection switching based on traditional Ethernet MAC and bridging functions.

The S5700 supports Smart Link and Virtual Router Redundancy Protocol (VRRP), which implement backup of uplinks. One S5700 switch can connect to multiple aggregation switches through multiple links, significantly improving reliability of access devices. In addition, the S5700 provides multiple connection fault detection mechanisms, including Ethernet OAM (IEEE 802.3ah/802.1ag /ITU Y.1731) and Bidirectional Forwarding Detection (BFD).

Diversified Security Control

The S5700 supports MAC address authentication and 802.1X authentication and implements dynamic delivery of policies (VLAN, QoS, and ACL) to users.

The S5700 provides a series of mechanisms to defend against DoS attacks and user-targeted attacks. DoS attacks are targeted at switches and include SYN flood, Land, Smurf, and ICMP flood attacks. User-targeted attacks include bogus DHCP server attacks, IP/MAC address spoofing, DHCP request flood, and change of the DHCP CHADDR value. The S5700 collects and maintains information about access users, such as IP addresses, MAC addresses, IP address leases, VLAN IDs, and access interfaces in a DHCP snooping binding table. In this

way, it can defend against DHCP attacks on the network. You can specify DHCP snooping trusted and untrusted ports to ensure that users connect only to the authorized DHCP server.

The S5700 supports strict ARP learning. This feature prevents ARP spoofing attackers from exhausting ARP entries so that users can connect to the Internet normally.

Mature IPv6 Technologies

The S5700 uses the mature, stable Versatile Routing Platform (VRP) and supports IPv4/IPv6 dual stacks, IPv6 routing protocols (RIPng, OSPFv3, BGP4+, and IS-IS for IPv6), and IPv6 over IPv4 tunnels including manual, 6-to-4, and Intra-Site Automatic Tunnel Addressing Protocol (ISATAP) tunnels. With these IPv6 features, the S5700 can be deployed on a pure IPv4 network, a pure IPv6 network, or a shared IPv4/IPv6 network, helping realize IPv4-to-IPv6 transition.

Innovative built-in battery

The S5700-LI-BAT(S5700-28P-LI-BAT and S5700-28P-LI-24S-BAT) is the industry's first switch model that supports internal lithium batteries as a backup power supply. It ensures uninterrupted services in situations where power failures frequently occur at the access layer. The S5700-LI-BAT has the following advantages:

- In the event of a mains power failure the battery can power the switch, so services will not be interrupted.
- Compared with switches using external power supply units, the S5700-LI-BAT occupies less space and is easier to install.
- Intelligent power management, long standby time.
- Battery LAN switches on the entire network can be managed centrally using a web system, facilitating network operation and maintenance. As the battery lifetime is predictable, you do not need to replace batteries periodically, reducing hardware costs.
- The internal battery provides alarm and voltage/current protection functions as well as overtemperature protection, which enhance reliability.

CSFP providing high-density access and increased bandwidth

CSFP switches support downlink CSFP ports. Each downlink CSFP port equipped with a CSFP GE optical module and one pair of fibers can provide 2 Gbit/s bandwidth bidirectionally, which is two times the bandwidth of standard SFP optical modules. The 24 downlink CSFP ports can provide 48 Gbit/s bandwidth bidirectionally, implementing high-density access (equal to access of 48 standard SFP ports) and saving the cost of deploying fibers and adding optical modules.

3 Application Scenarios

About This Chapter

[3.1 Application of the S5700 on a Large-scale Enterprise Campus Network](#)

This section describes the application of the S5700 on a large-scale enterprise campus network.

[3.2 Application of the S5700 on a Small- or Medium-scale Enterprise Campus Network](#)

This section describes the application of the S5700 on a small- or medium-scale enterprise campus network.

[3.3 Application of the S5700 on a Small-scale Enterprise Campus Network](#)

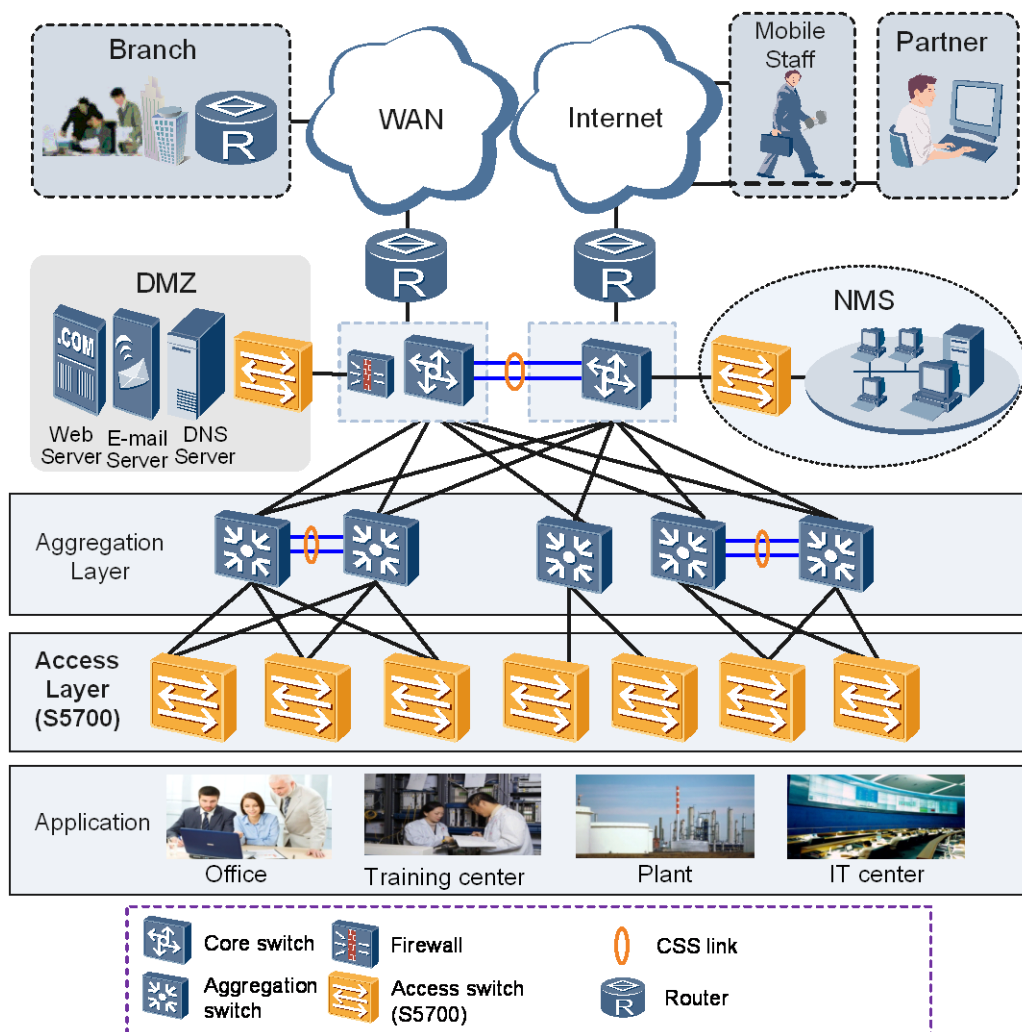
This section describes the application of the S5700 on a small-scale enterprise campus network.

3.1 Application of the S5700 on a Large-scale Enterprise Campus Network

This section describes the application of the S5700 on a large-scale enterprise campus network.

As shown in [Figure 3-1](#), the S5700 is deployed at the access layer of a campus network to provide high performance, multi-service, and highly reliable enterprise network.

Figure 3-1 Position of the S5700 on a Large-scale enterprise campus network



The S5700 provides various terminal security management features, and supports functions such as PoE, voice VLAN, and QoS. The S5700 can be used for desktop access and provides GE access.

The S5700 provides various security features including ARP security, IP security, IP source guard, and user access control policies such as NAC and ACLs, to control access of user terminals.

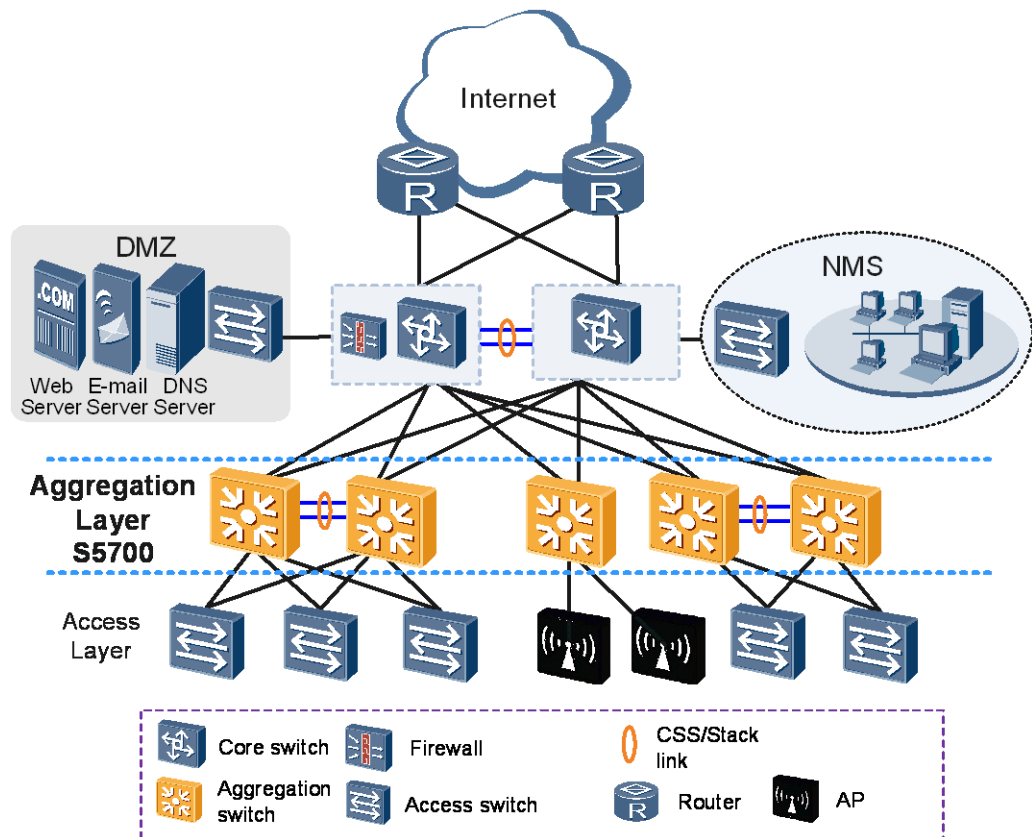
The S5700 provides Easy-Operation and USB-based deployment, which facilitates deployment and management.

3.2 Application of the S5700 on a Small- or Medium-scale Enterprise Campus Network

This section describes the application of the S5700 on a small- or medium-scale enterprise campus network.

As shown in Figure 3-2, the S5700 is deployed at the aggregation layer of a campus network to provide high performance, multi-service, and highly reliable enterprise network.

Figure 3-2 Position of the S5700 on a small- or medium-scale enterprise campus network



On an enterprise network or campus network shown in Figure 3-2, the S5700s connect to access switches through 100M/1000M interfaces, provide high performance and large switching capacity, and connect to core switches through 10GE optical interfaces. The network provides 10 Gbit/s rate for the backbone layer and 100 Mbit/s access rate for terminals, meeting requirements for high bandwidth and multi-service.

The S5700 provides SEP and RRPP to implement millisecond-level protection switchover. S5700s form a stack system by using iStack technology to implement the distributed forwarding structure and fast fault recovery. The stack system increases the number of user interfaces and improves packet processing capability. The iStack-enabled S5700s can be managed in a uniform manner to facilitate network management and maintenance.

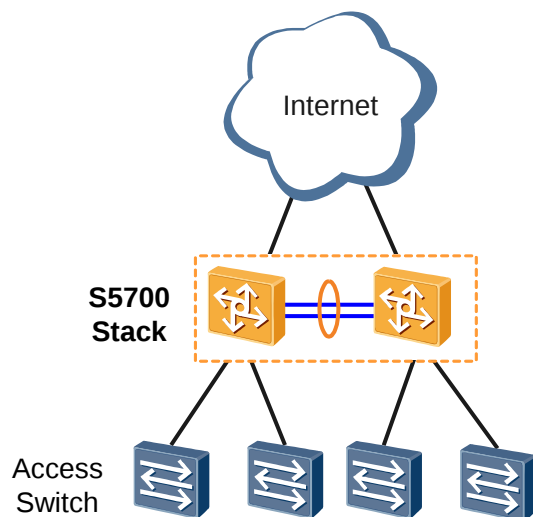
3.3 Application of the S5700 on a Small-scale Enterprise Campus Network

This section describes the application of the S5700 on a small-scale enterprise campus network.

As core switches of a small-scale enterprise network shown in Figure 3-3, the S5700s have powerful aggregation and routing capabilities. S5700s use iStack to implement backup among

multiple devices and ensure high reliability. The S5700 provides various access control policies to achieve centralized management and simplify configuration.

Figure 3-3 Position of the S5700 on a small-scale enterprise network



4 Hardware Architecture

About This Chapter

- 4.1 Appearance and Structure
- 4.2 Hardware Modules

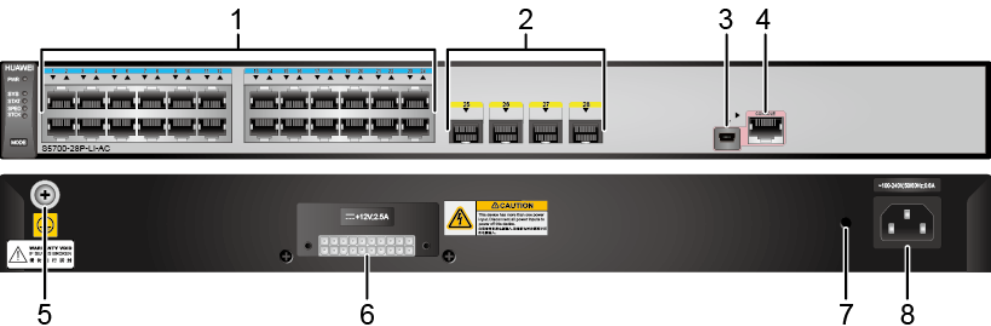
4.1 Appearance and Structure

NOTE
The S5700-28P-LI-BAT and S5700-28P-LI-24S-BAT support internal batteries. For details about the two models, see the S5700-LI-BAT Hardware Installation and Maintenance Guide. The S5700-LI series switches mentioned in this section do not include the two models.

4.1.1 S5700-LI

S5700-28P-LI-AC

Figure 4-1 Appearance of the S5700-28P-LI-AC

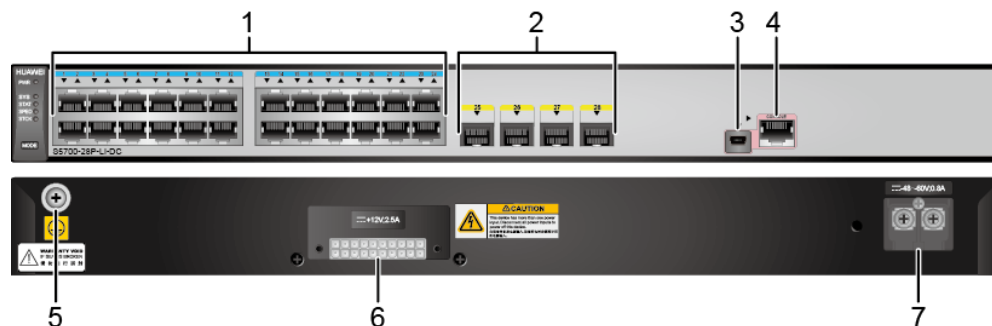


1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four 1000BASE-X Ethernet optical ports Applicable modules and cables: • GE optical module
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			• GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module (applicable in V200R002C00 and later versions) • Stack optical module (applicable in V200R007C00 and later versions) • 1 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE It is used with an RPS cable which is not hot swappable.
7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	AC socket NOTE It is used with an AC power cable.

S5700-28P-LI-DC

Figure 4-2 Appearance of the S5700-28P-LI-DC

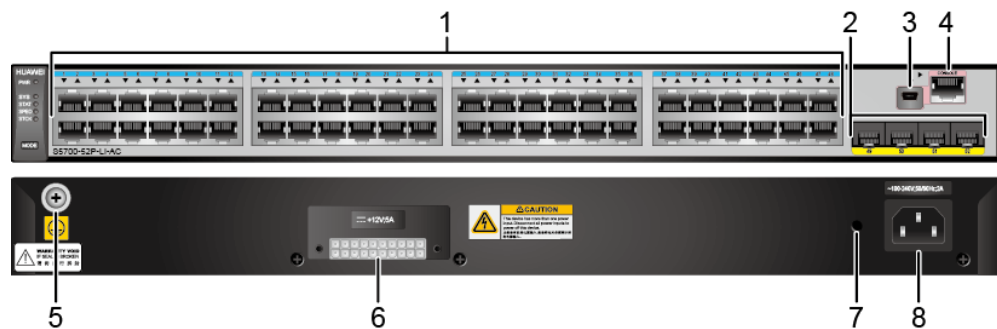


1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four 1000BASE-X Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module (applicable in V200R002C00 and later versions) • Stack optical module (applicable in V200R007C00 and later versions) • 1 m, 10 m SFP+ copper cables
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			3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE It is used with an RPS cable which is not hot swappable.
7	DC power terminal NOTE It is used with a DC power cable.	-	-

S5700-52P-LI-AC

Figure 4-3 Appearance of the S5700-52P-LI-AC

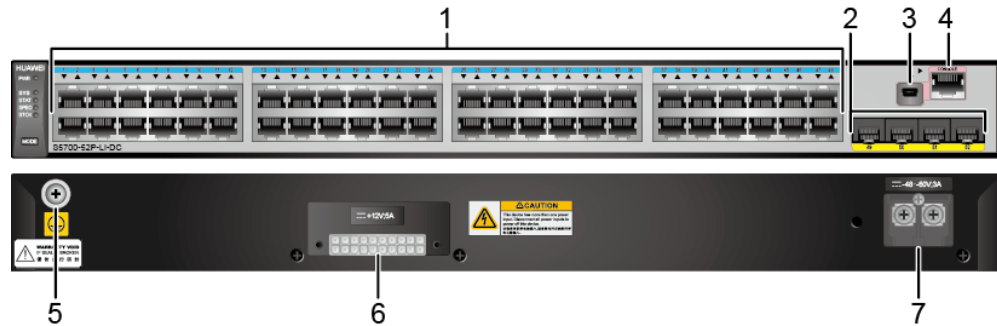


1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 1000BASE-X Ethernet optical ports Applicable modules and cables: - GE optical module - GE-CWDM optical module - GE-DWDM optical module - GE SFP copper module (applicable in V200R002C00 and later versions) - Stack optical module (applicable in V200R007C00 and later versions) 1 m, 10 m SFP+ copper cables 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE It is used with an RPS cable which is not hot swappable.

7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	AC socket NOTE It is used with an AC power cable.
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S5700-52P-LI-DC

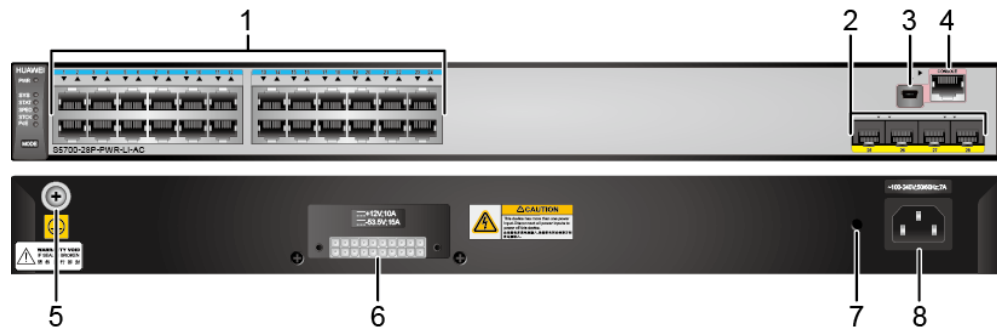
Figure 4-4 Appearance of the S5700-52P-LI-DC



1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 1000BASE-X Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module (applicable in V200R002C00 and later versions) • Stack optical module (applicable in V200R007C00 and later versions) • 1 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE It is used with an RPS cable which is not hot swappable.
7	DC power terminal NOTE It is used with a DC power cable.	-	-

S5700-28P-PWR-LI-AC

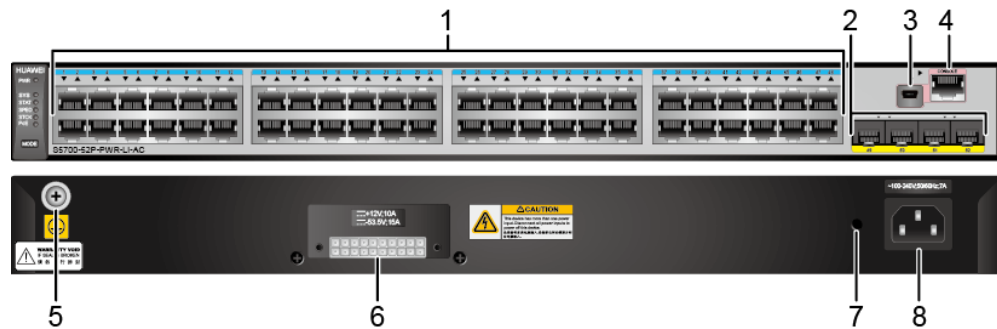
Figure 4-5 Appearance of the S5700-28P-PWR-LI-AC



1	Twenty-four PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four 1000BASE-X Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module (applicable in V200R002C00 and later versions) • Stack optical module (applicable in V200R007C00 and later versions) • 1 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE • It 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.
7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	AC socket NOTE It is used with an AC power cable.

S5700-52P-PWR-LI-AC

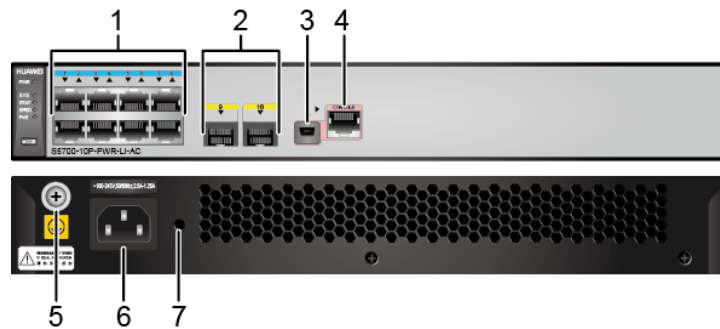
Figure 4-6 Appearance of the S5700-52P-PWR-LI-AC



1	Forty-eight PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four 1000BASE-X Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module (applicable in V200R002C00 and later versions) • Stack optical module (applicable in V200R007C00 and later versions) • 1 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE • It 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.
7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	AC socket NOTE It is used with an AC power cable.

S5700-10P-PWR-LI-AC

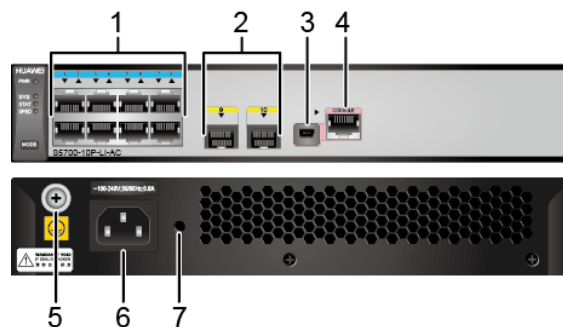
Figure 4-7 Appearance of the S5700-10P-PWR-LI-AC



1	Eight PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Two 1000BASE-X Ethernet optical ports Applicable modules: - GE optical module (not support 80 km and 100 km optical modules) - GE SFP copper module (applicable in V200R002C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	AC socket NOTE It is used with an AC power cable.
7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	-	-

S5700-10P-LI-AC

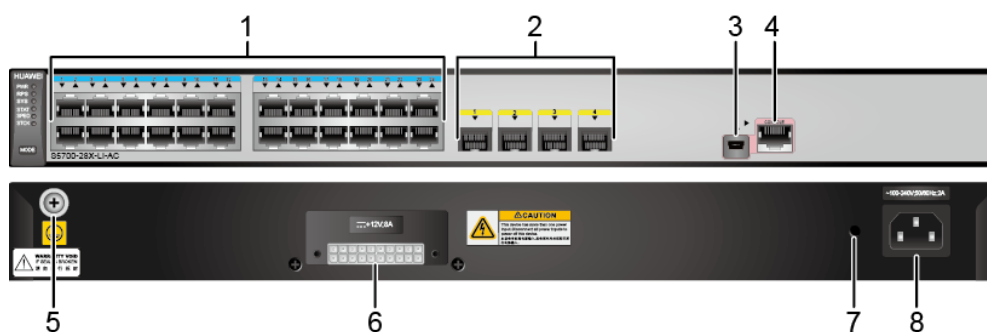
Figure 4-8 Appearance of the S5700-10P-LI-AC



1	Eight 10/100/1000BASE-T Ethernet electrical ports	2	Two 1000BASE-X Ethernet optical ports Applicable modules: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module (applicable in V200R002C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	AC socket NOTE It is used with an AC power cable.
7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	-	-

S5700-28X-LI-AC

Figure 4-9 Appearance of the S5700-28X-LI-AC

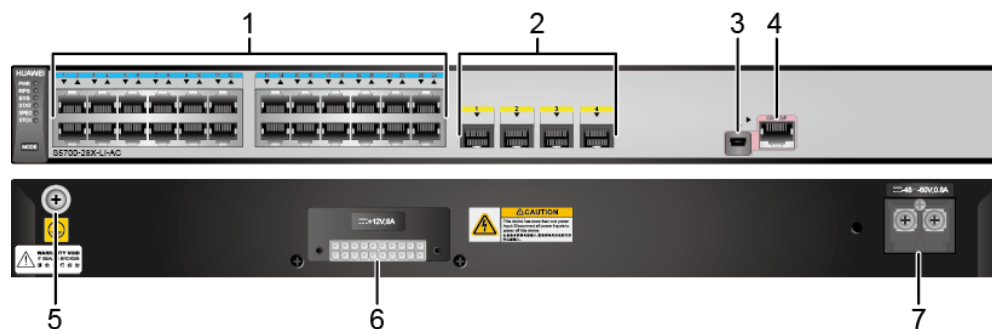


1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable
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			in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE It is used with an RPS cable which is not hot swappable.
7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	AC socket NOTE It is used with an AC power cable.

S5700-28X-LI-DC

Figure 4-10 Appearance of the S5700-28X-LI-DC

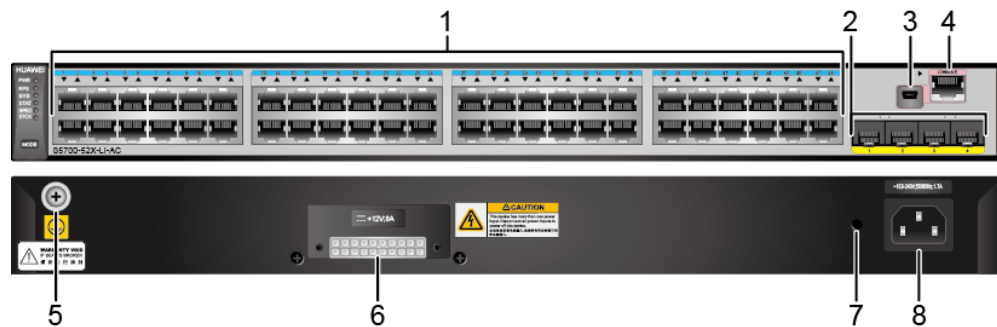


1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE It is used with an RPS cable which is not hot swappable.

7	DC power terminal NOTE It is used with a DC power cable.	-	-
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S5700-52X-LI-AC

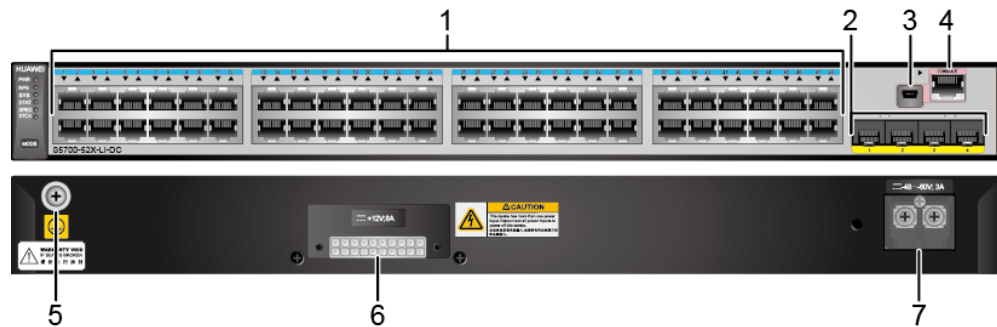
Figure 4-11 Appearance of the S5700-52X-LI-AC



1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE It is used with an RPS cable which is not hot swappable.
7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	AC socket NOTE It is used with an AC power cable.

S5700-52X-LI-DC

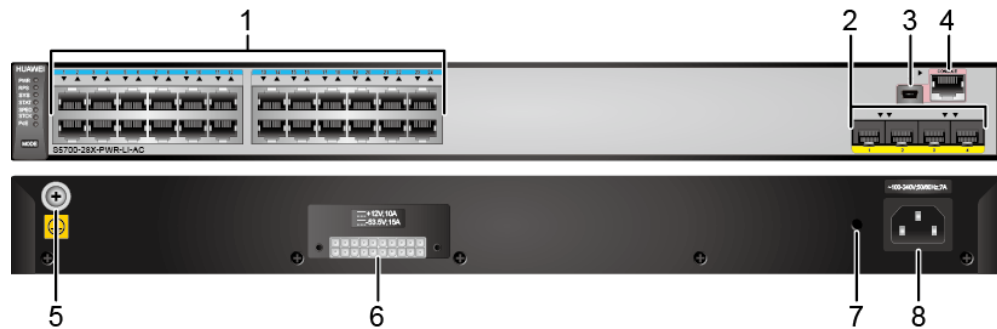
Figure 4-12 Appearance of the S5700-52X-LI-DC



1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE It is used with an RPS cable which is not hot swappable.
7	DC power terminal NOTE It is used with a DC power cable.	-	-

S5700-28X-PWR-LI-AC

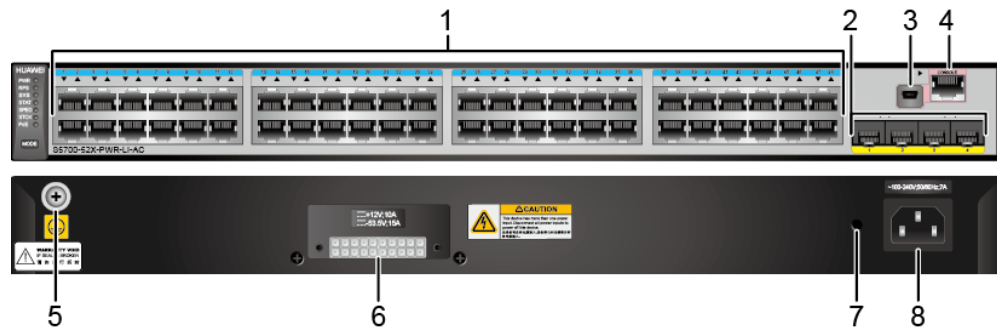
Figure 4-13 Appearance of the S5700-28X-PWR-LI-AC



1	Twenty-four PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE • It 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.
7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	AC socket NOTE It is used with an AC power cable.

S5700-52X-PWR-LI-AC

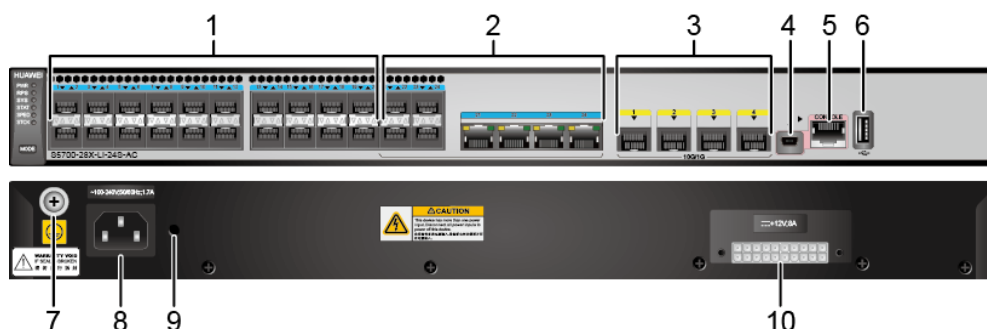
Figure 4-14 Appearance of the S5700-52X-PWR-LI-AC



1	Forty-eight PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE • It 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.
7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	AC socket NOTE It is used with an AC power cable.

S5700-28X-LI-24S-AC

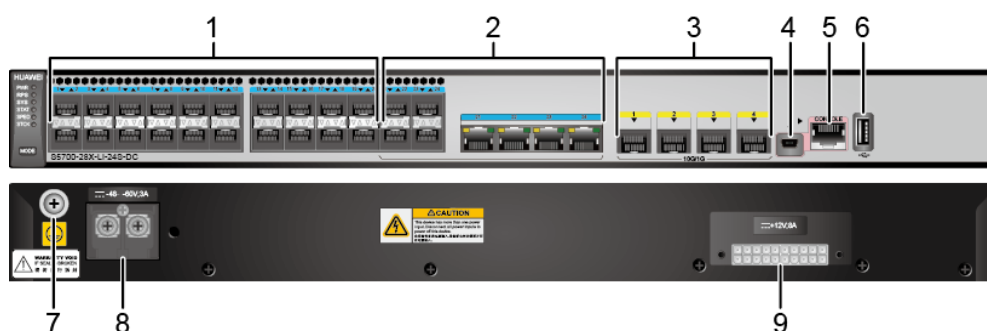
Figure 4-15 Appearance of the S5700-28X-LI-24S-AC



1	Twenty 100/1000BASE-X Ethernet optical ports Applicable modules: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables	4	One Mini USB port
5	One console port	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	AC socket NOTE It is used with an AC power cable.
9	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	10	RPS socket NOTE It is used with an RPS cable which is not hot swappable.

S5700-28X-LI-24S-DC

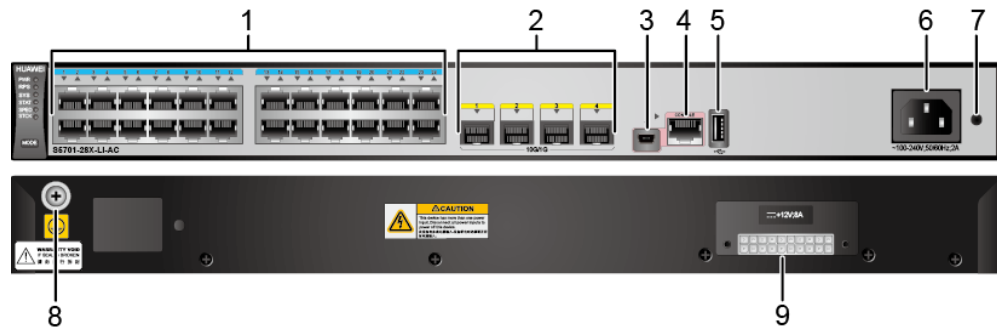
Figure 4-16 Appearance of the S5700-28X-LI-24S-DC



1	Twenty 100/1000BASE-X Ethernet optical ports Applicable modules: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables	4	One Mini USB port
5	One console port	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	DC power terminal NOTE It is used with a DC power cable.
9	RPS socket NOTE It is used with an RPS cable which is not hot swappable.	-	-

S5701-28X-LI-AC

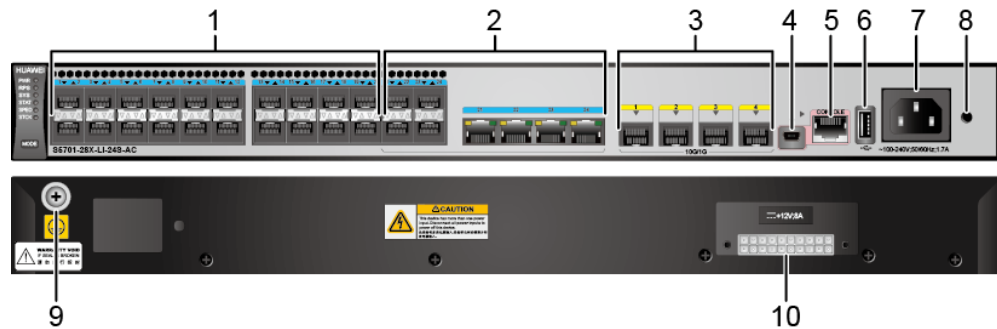
Figure 4-17 Appearance of the S5701-28X-LI-AC



1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables
3	One Mini USB port	4	One console port
5	One USB port	6	AC socket NOTE It is used with an AC power cable.
7	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	Ground screw NOTE It is used with a ground cable.
9	RPS socket NOTE It is used with an RPS cable which is not hot swappable.	-	-

S5701-28X-LI-24S-AC

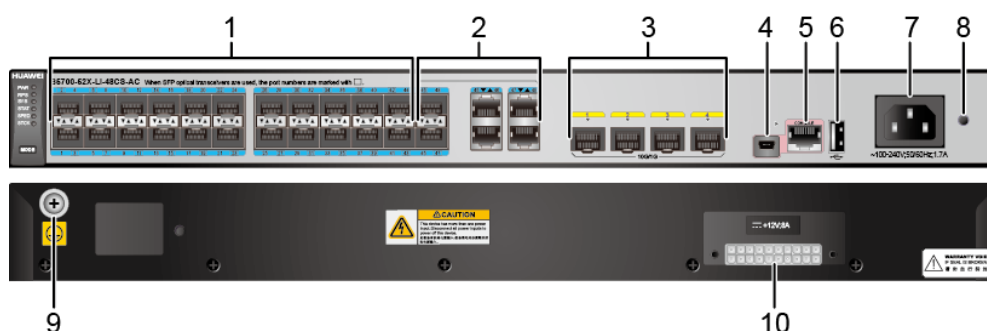
Figure 4-18 Appearance of the S5701-28X-LI-24S-AC



1	Twenty 100/1000BASE-X Ethernet optical ports Applicable modules: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables	4	One Mini USB port
5	One console port	6	One USB port
7	AC socket NOTE It is used with an AC power cable.	8	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.
9	Ground screw NOTE It is used with a ground cable.	10	RPS socket NOTE It is used with an RPS cable which is not hot swappable.

S5700-52X-LI-48CS-AC

Figure 4-19 Appearance of the S5700-52X-LI-48CS-AC

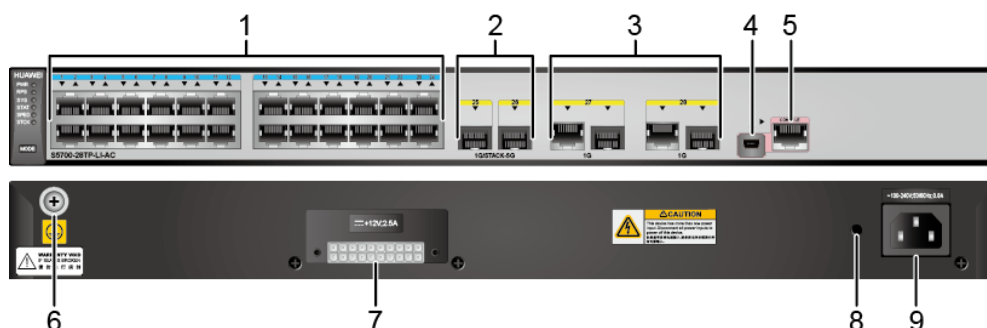


1	Forty-four 100/1000BASE-X CSFP Ethernet ports Applicable modules: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • CSFP optical module NOTE • When all the ports have CSFP optical modules installed, each port functions as two ports. The switch has a total of 44 ports in this case. • When all the ports have SFP optical modules installed, the switch has a 22 ports.	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module • CSFP optical module NOTE The four combo ports (numbered 45, 46, 47, and 48) on a CSFP switch include four electrical ports and two optical ports. The two optical ports can function as four optical modules when they have Compact Small Form-Factor Pluggable (CSFP) optical modules installed. When the two optical ports have SFP optical modules installed, the electrical ports 45 and 48 can be used normally.
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 and later versions) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables	4	One Mini USB port

5	One console port	6	One USB port
7	AC socket NOTE It is used with an AC power cable.	8	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.
9	Ground screw NOTE It is used with a ground cable.	10	RPS socket NOTE It is used with an RPS cable which is not hot swappable.

S5700-28TP-LI-AC

Figure 4-20 Appearance of the S5700-28TP-LI-AC

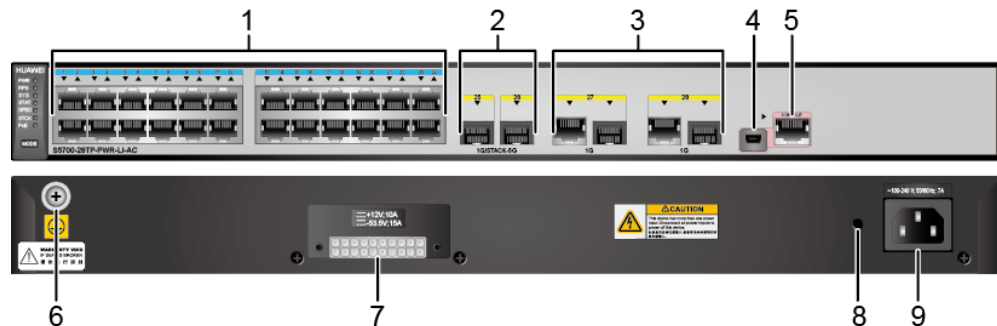


1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Two 1000BASE-X Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • Stack optical module (applicable in V200R007C00 and later versions) • 1 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables
3	Two combo ports (10/100/1000BASE-T + 100/1000BASE-X)	4	One Mini USB port
5	One console port	6	Ground screw NOTE It is used with a ground cable.
7	RPS socket NOTE	8	Jack for AC terminal locking latch NOTE

	It is used with an RPS cable which is not hot swappable.		The AC terminal locking latch is not delivered with the switch.
9	AC socket NOTE It is used with an AC power cable.	-	-

S5700-28TP-PWR-LI-AC

Figure 4-21 Appearance of the S5700-28TP-PWR-LI-AC

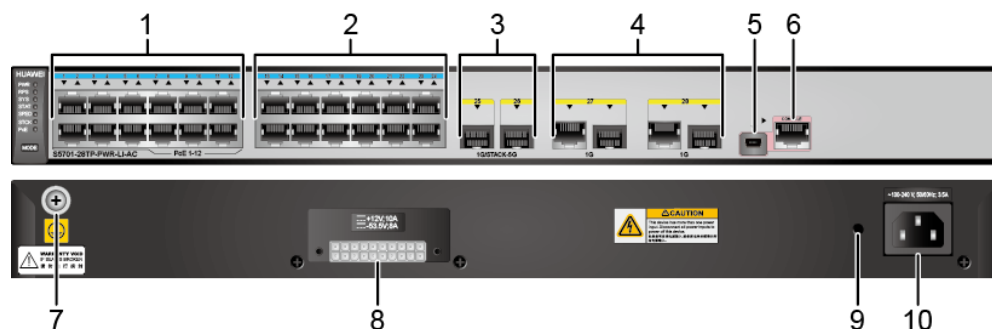


1	Twenty-four PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Two 1000BASE-X Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • Stack optical module (applicable in V200R007C00 and later versions) • 1 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables
3	Two combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module	4	One Mini USB port
5	One console port	6	Ground screw NOTE It is used with a ground cable.

7	RPS socket NOTE It is used with an RPS cable which is not hot swappable.	8	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.
9	AC socket NOTE It is used with an AC power cable.	-	-

S5701-28TP-PWR-LI-AC

Figure 4-22 Appearance of the S5701-28TP-PWR-LI-AC



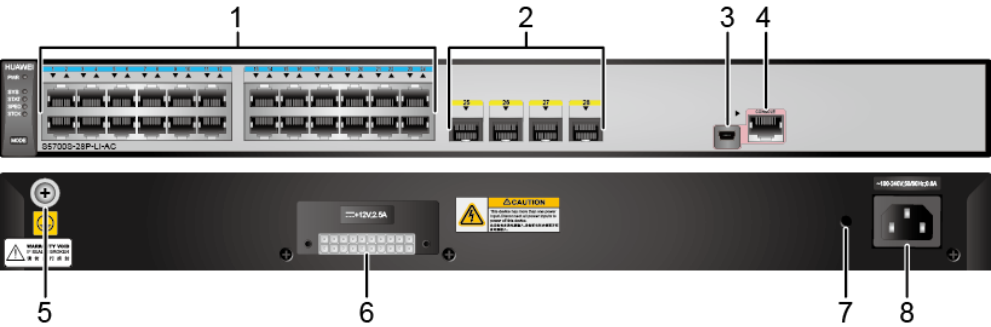
1	Twelve PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Twelve 10/100/1000BASE-T Ethernet electrical ports
3	Two 1000BASE-X Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • Stack optical module (applicable in V200R007C00 and later versions) • 1 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables	4	Two combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module
5	One Mini USB port	6	One console port
7	Ground screw NOTE It is used with a ground cable.	8	RPS socket NOTE It is used with an RPS cable which is not hot swappable.
9	Jack for AC terminal locking latch NOTE The AC terminal locking latch is not	10	AC socket NOTE It is used with an AC power cable.

	delivered with the switch.		
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4.1.2 S5700S-LI

S5700S-28P-LI-AC

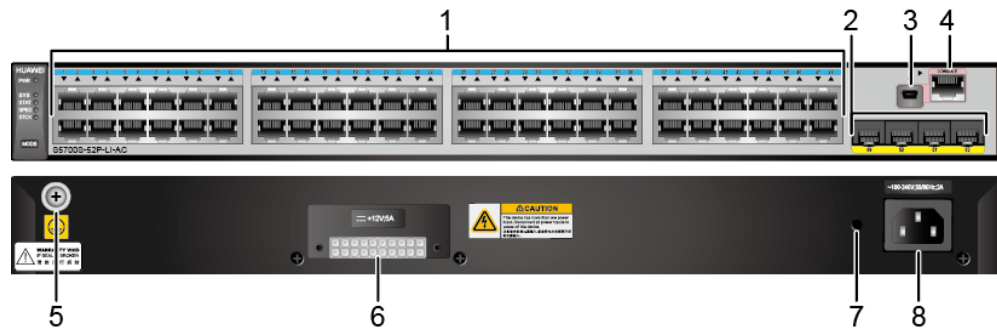
Figure 4-23 Appearance of the S5700S-28P-LI-AC



1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four 1000BASE-X Ethernet optical ports Applicable modules: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module (applicable in V200R002C00 and later versions) • 1 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE It is used with an RPS cable which is not hot swappable.
7	Jack reserved for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	AC socket NOTE It is used with an AC power cable.

S5700S-52P-LI-AC

Figure 4-24 Appearance of the S5700S-52P-LI-AC

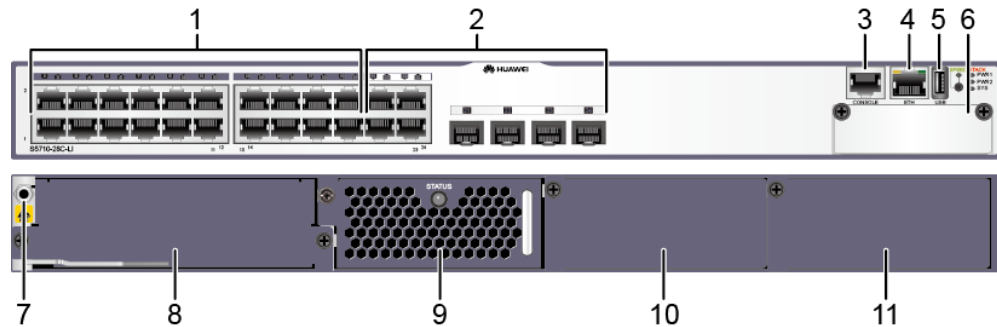


1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 1000BASE-X Ethernet optical ports Applicable modules: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module (applicable in V200R002C00 and later versions) • 1 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One Mini USB port	4	One console port
5	Ground screw NOTE It is used with a ground cable.	6	RPS socket NOTE It is used with an RPS cable which is not hot swappable.
7	Jack reserved for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	8	AC socket NOTE It is used with an AC power cable.

4.1.3 S5710-LI

S5710-28C-LI

Figure 4-25 Appearance of the S5710-28C-LI

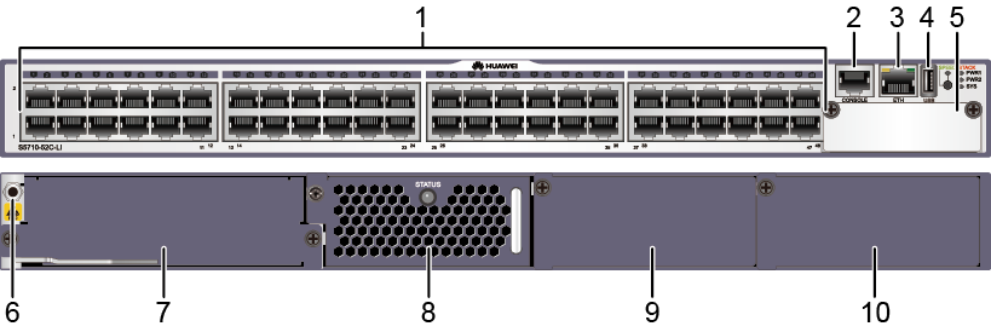


1	Twenty 10/100/1000BASE-T Ethernet ports	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module
3	One console port	4	One ETH management port
5	One USB port	6	Front card slot NOTE For details about cards available for different device models, see Cards.
7	ESD jack NOTE When maintaining components at the rear of a chassis, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	8	Rear card slot NOTE For details about cards available for different device models, see Cards.
9	Fan module slot NOTE Fan module supported: CX7E1FANA fan module	10	Power module slot 2 NOTE Available power modules: • 150 W AC power module • 150 W DC power module
11	Power module slot 1 NOTE Available power modules: • 150 W AC power module	-	-

	150 W DC power module		
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S5710-52C-LI

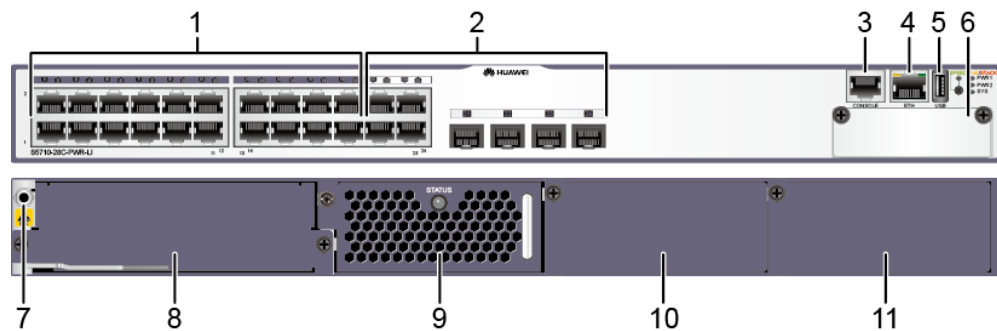
Figure 4-26 Appearance of the S5710-52C-LI



1	Forty-eight 10/100/1000BASE-T Ethernet ports	2	One console port
3	One ETH management port	4	One USB port
5	Front card slot NOTE For details about cards available for different device models, see Cards.	6	ESD jack NOTE When maintaining components at the rear of a chassis, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.
7	Rear card slot NOTE For details about cards available for different device models, see Cards.	8	Fan module slot NOTE Fan module supported: CX7E1FANA fan module
9	Power module slot 2 NOTE Available power modules: 150 W AC power module 150 W DC power module	10	Power module slot 1 NOTE Available power modules: 150 W AC power module 150 W DC power module

S5710-28C-PWR-LI

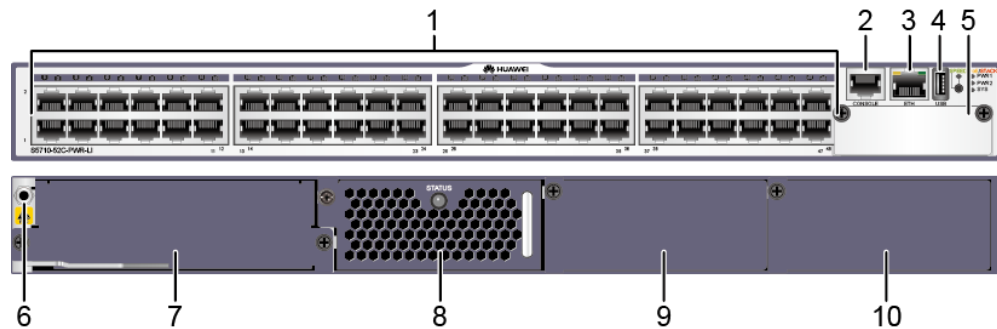
Figure 4-27 Appearance of the S5710-28C-PWR-LI



1	Twenty PoE+ 10/100/1000BASE-T Ethernet ports	2	Four combo ports (10/100/1000BASE-T (PoE+) +100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module
3	One console port	4	One ETH management port
5	One USB port	6	Front card slot NOTE For details about cards available for different device models, see Cards.
7	ESD jack NOTE When maintaining components at the rear of a chassis, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	8	Rear card slot NOTE For details about cards available for different device models, see Cards.
9	Fan module slot NOTE Fan module supported: CX7E1FANA fan module	10	Power module slot 2 NOTE Available power modules: • 250 W AC PoE power module • 500 W AC PoE power module
11	Power module slot 1 NOTE Available power modules: • 250 W AC PoE power module • 500 W AC PoE power module	-	-

S5710-52C-PWR-LI

Figure 4-28 Appearance of the S5710-52C-PWR-LI

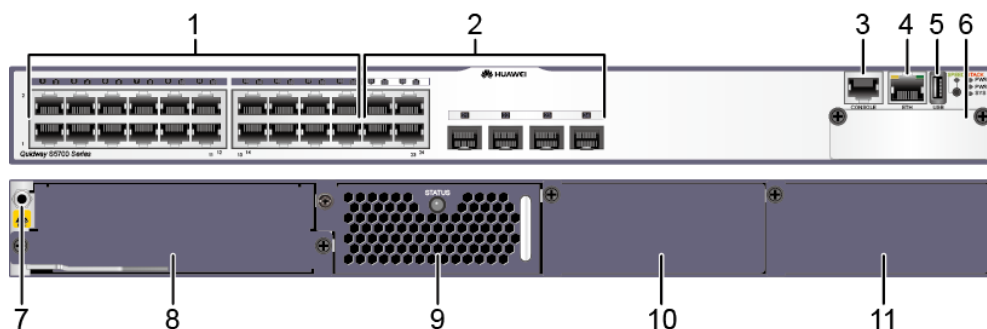


1	Forty-eight PoE+ 10/100/1000BASE-T Ethernet ports	2	One console port
3	One ETH management port	4	One USB port
5	Front card slot NOTE For details about cards available for different device models, see Cards.	6	ESD jack NOTE When maintaining components at the rear of a chassis, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.
7	Rear card slot NOTE For details about cards available for different device models, see Cards.	8	Fan module slot NOTE Fan module supported: CX7E1FANA fan module
9	Power module slot 2 NOTE Available power modules: 250 W AC PoE power module 500 W AC PoE power module	10	Power module slot 1 NOTE Available power modules: 250 W AC PoE power module 500 W AC PoE power module

4.1.4 S5700-SI

S5700-28C-SI

Figure 4-29 Appearance of the S5700-28C-SI

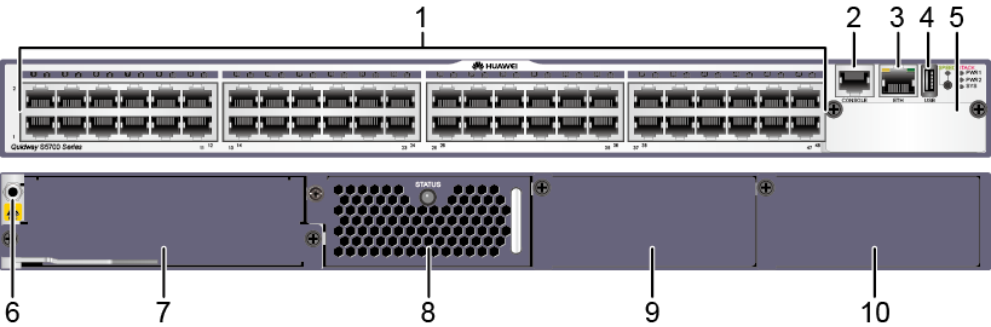


1	Twenty 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module
3	One console port	4	One ETH management port
5	One USB port	6	Front card slot NOTE For details about the mapping between cards and switches, see Cards.
7	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	8	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.
9	Fan module slot NOTE Available fans: CX7E1FANA Fan Module	10	Power module slot 2 NOTE Available power modules: • 150 W AC Power Module • 150 W DC Power Module
11	Power module slot 1 NOTE Available power modules: • 150 W AC Power Module	-	-

	150 W DC Power Module		
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S5700-52C-SI

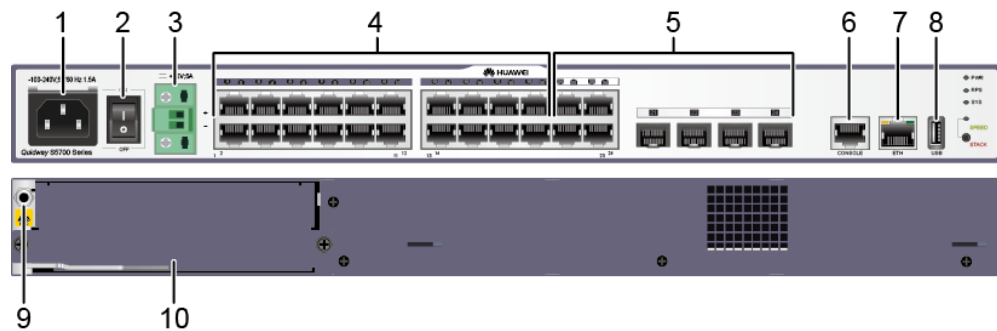
Figure 4-30 Appearance of the S5700-52C-SI



1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	One console port
3	One ETH management port	4	One USB port
5	Front card slot NOTE For details about the mapping between cards and switches, see Cards.	6	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.
7	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.	8	Fan module slot NOTE Available fans: CX7E1FANA Fan Module
9	Power module slot 2 NOTE Available power modules: 150 W AC Power Module 150 W DC Power Module	10	Power module slot 1 NOTE Available power modules: 150 W AC Power Module 150 W DC Power Module

S5700-24TP-SI-AC

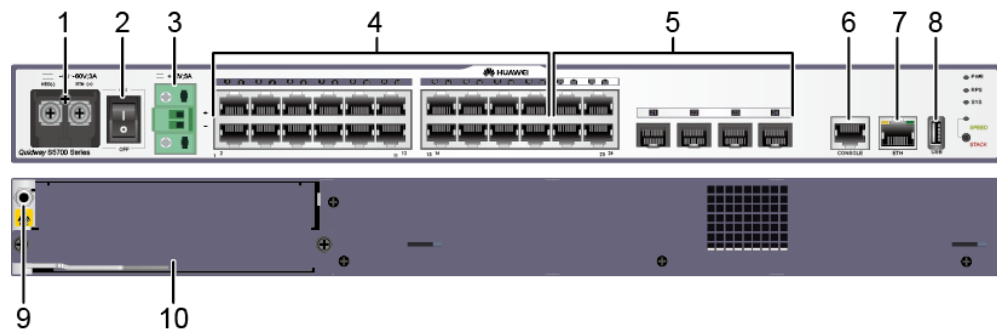
Figure 4-31 Appearance of the S5700-24TP-SI-AC



1	AC socket NOTE It is used with an AC power cable.	2	Power switch
3	Backup power socket NOTE This socket can be connected to a backup power supply unit. The backup power supply unit must provide 12 V DC output voltage (ranging from 11 V to 13 V) and a minimum power of 100 W.	4	Twenty 10/100/1000BASE-T Ethernet electrical ports
5	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module	6	One console port
7	One ETH management port	8	One USB port
9	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	10	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.

S5700-24TP-SI-DC

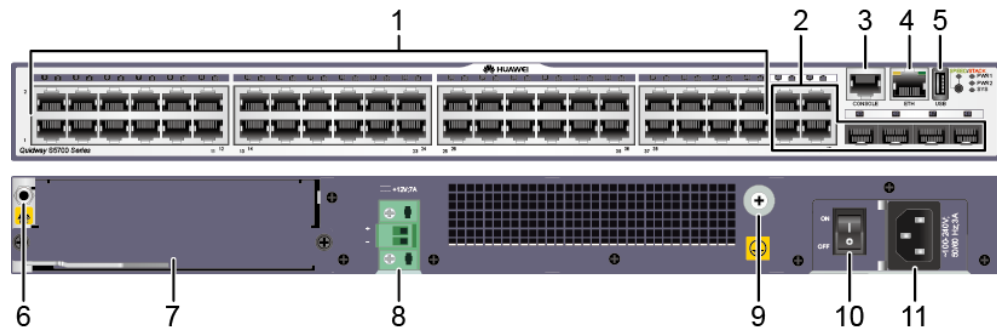
Figure 4-32 Appearance of the S5700-24TP-SI-DC



1	DC power terminal NOTE It is used with a DC power cable.	2	Power switch
3	Backup power socket NOTE This socket can be connected to a backup power supply unit. The backup power supply unit must provide 12 V DC output voltage (ranging from 11 V to 13 V) and a minimum power of 100 W.	4	Twenty 10/100/1000BASE-T Ethernet electrical ports
5	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module	6	One console port
7	One ETH management port	8	One USB port
9	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	10	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.

S5700-48TP-SI-AC

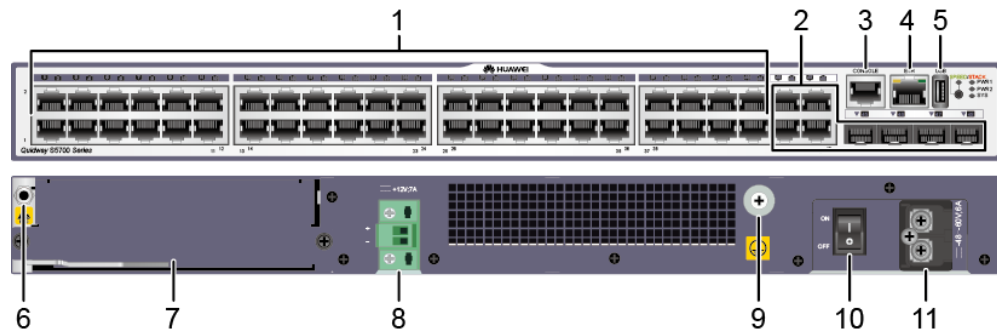
Figure 4-33 Appearance of the S5700-48TP-SI-AC



1	Forty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module
3	One console port	4	One ETH management port
5	One USB port	6	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.
7	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.	8	Backup power socket NOTE This socket can be connected to a backup power supply unit. The backup power supply unit must provide 12 V DC output voltage (ranging from 11 V to 13 V) and a minimum power of 100 W.
9	Ground screw NOTE It is used with a ground cable.	10	Power switch
11	AC socket NOTE It is used with an AC power cable.	-	-

S5700-48TP-SI-DC

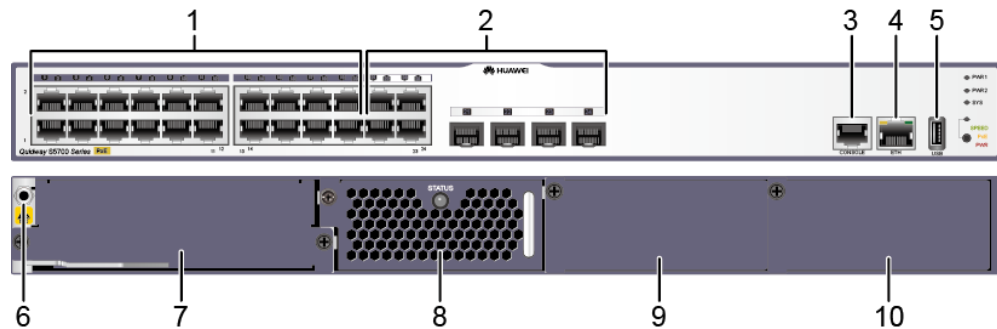
Figure 4-34 Appearance of the S5700-48TP-SI-DC



1	Forty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module
3	One console port	4	One ETH management port
5	One USB port	6	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.
7	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.	8	Backup power socket NOTE This socket can be connected to a backup power supply unit. The backup power supply unit must provide 12 V DC output voltage (ranging from 11 V to 13 V) and a minimum power of 100 W.
9	Ground screw NOTE It is used with a ground cable.	10	Power switch
11	DC power terminal NOTE It is used with a DC power cable.	-	-

S5700-24TP-PWR-SI

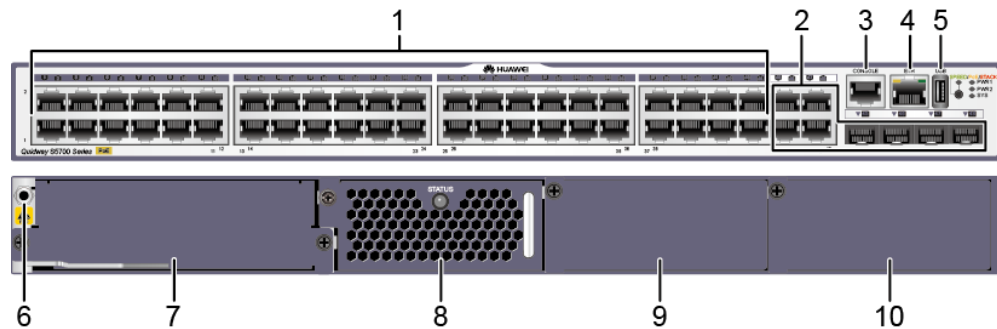
Figure 4-35 Appearance of the S5700-24TP-PWR-SI



1	Twenty PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T (PoE+) +100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module
3	One console port	4	One ETH management port
5	One USB port	6	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.
7	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.	8	Fan module slot NOTE Available fans: CX7E1FANA Fan Module
9	Power module slot 2 NOTE Available power modules: • 250 W AC PoE Power Module • 500 W AC PoE Power Module	10	Power module slot 1 NOTE Available power modules: • 250 W AC PoE Power Module • 500 W AC PoE Power Module

S5700-48TP-PWR-SI

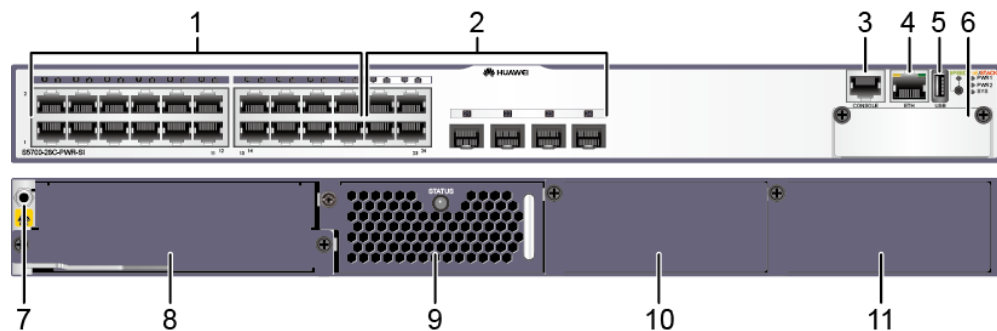
Figure 4-36 Appearance of the S5700-48TP-PWR-SI



1	Forty-four PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T (PoE+) +100/1000BASE-X) Modules applicable to combo optical ports: - FE optical module - GE optical module - GE-CWDM optical module
3	One console port	4	One ETH management port
5	One USB port	6	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.
7	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.	8	Fan module slot NOTE Available fans: CX7E1FANA Fan Module
9	Power module slot 2 NOTE Available power modules: 250 W AC PoE Power Module 500 W AC PoE Power Module	10	Power module slot 1 NOTE Available power modules: 250 W AC PoE Power Module 500 W AC PoE Power Module

S5700-28C-PWR-SI

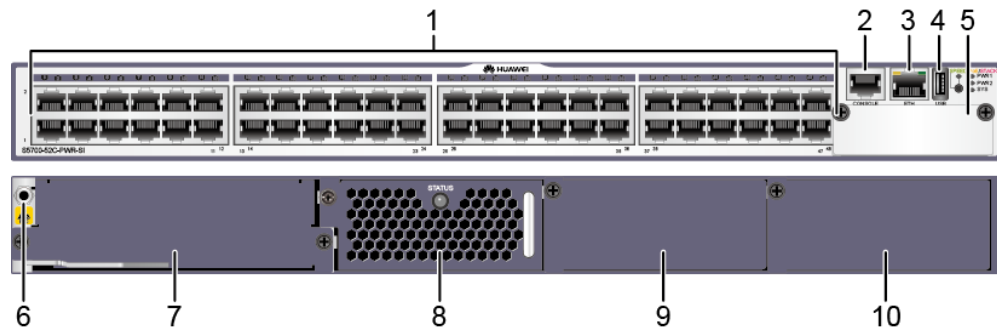
Figure 4-37 Appearance of the S5700-28C-PWR-SI



1	Twenty PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T (PoE+) +100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module
3	One console port	4	One ETH management port
5	One USB port	6	Front card slot NOTE For details about the mapping between cards and switches, see Cards.
7	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	8	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.
9	Fan module slot NOTE Available fans: CX7E1FANA Fan Module	10	Power module slot 2 NOTE Available power modules: • 250 W AC PoE Power Module • 500 W AC PoE Power Module
11	Power module slot 1 NOTE Available power modules: • 250 W AC PoE Power Module • 500 W AC PoE Power Module	-	-

S5700-52C-PWR-SI

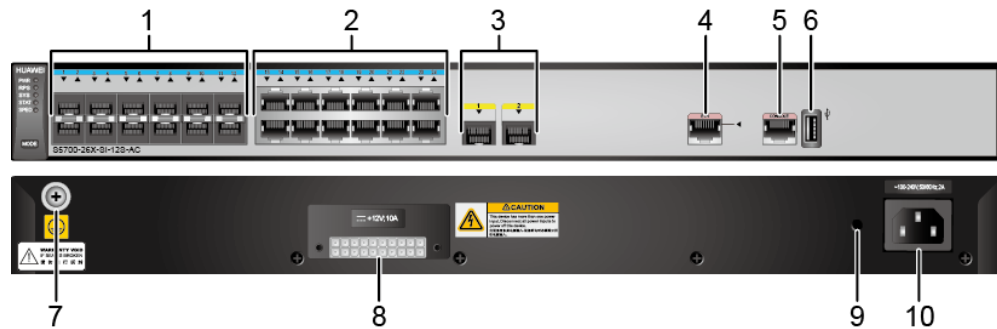
Figure 4-38 Appearance of the S5700-52C-PWR-SI



1	Forty-eight PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	One console port
3	One ETH management port	4	One USB port
5	Front card slot NOTE For details about the mapping between cards and switches, see Cards.	6	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.
7	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.	8	Fan module slot NOTE Available fans: CX7E1FANA Fan Module
9	Power module slot 2 NOTE Available power modules: 250 W AC PoE Power Module 500 W AC PoE Power Module	10	Power module slot 1 NOTE Available power modules: 250 W AC PoE Power Module 500 W AC PoE Power Module

S5700-26X-SI-12S-AC

Figure 4-39 Appearance of the S5700-26X-SI-12S-AC



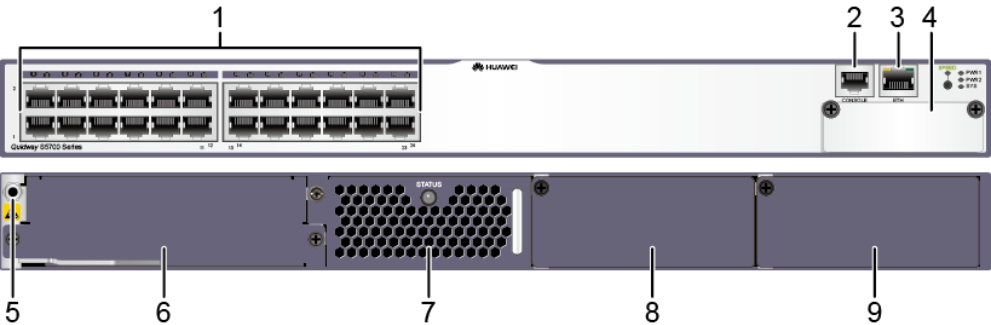
1	Twelve 100/1000BASE-X Ethernet optical ports Applicable modules: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module	2	Twelve 10/100/1000BASE-T Ethernet electrical ports
3	Two 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 version) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)	4	One ETH management port
5	One console port	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	RPS socket NOTE It is used with an RPS cable which is not hot swappable.
9	Jack reserved for AC terminal locking latch	10	AC socket NOTE

NOTE The AC terminal locking latch is not delivered with the device.	It is used with an AC power cable.
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4.1.5 S5700-EI

S5700-28C-EI

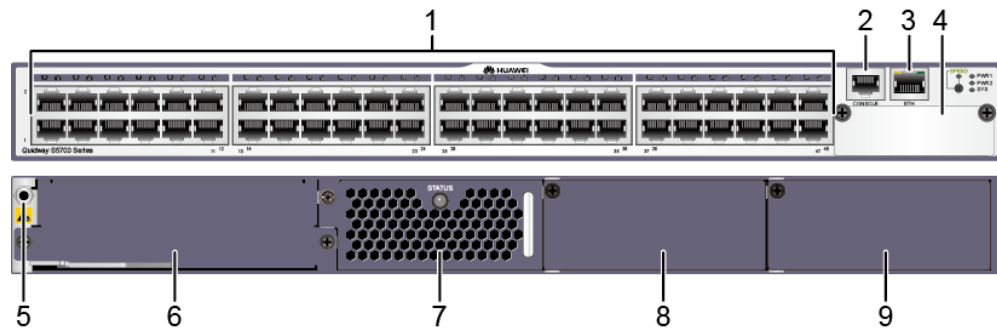
Figure 4-40 Appearance of the S5700-28C-EI



1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	One console port
3	One ETH management port	4	Front card slot NOTE For details about the mapping between cards and switches, see Cards.
5	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	6	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.
7	Fan module slot NOTE Available fans: CX7E1FANA Fan Module	8	Power module slot 2 NOTE Available power modules: 150 W AC Power Module 150 W DC Power Module
9	Power module slot 1 NOTE Available power modules: 150 W AC Power Module 150 W DC Power Module	-	-

S5700-52C-EI

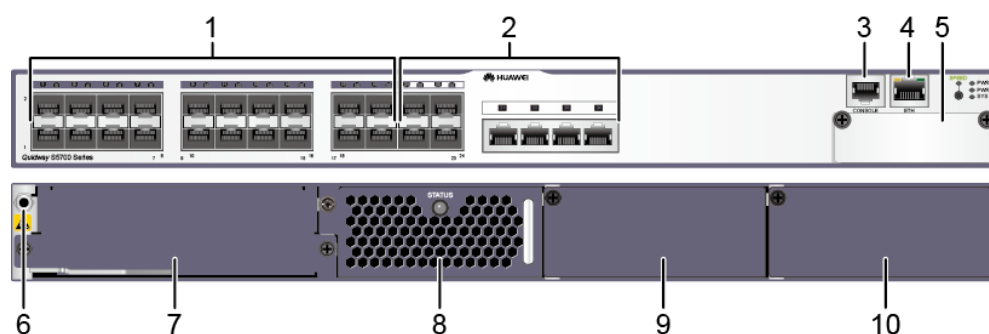
Figure 4-41 Appearance of the S5700-52C-EI



1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	One console port
3	One ETH management port	4	Front card slot NOTE For details about the mapping between cards and switches, see Cards.
5	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	6	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.
7	Fan module slot NOTE Available fans: CX7E1FANA Fan Module	8	Power module slot 2 NOTE Available power modules: 150 W AC Power Module 150 W DC Power Module
9	Power module slot 1 NOTE Available power modules: 150 W AC Power Module 150 W DC Power Module	-	-

S5700-28C-EI-24S

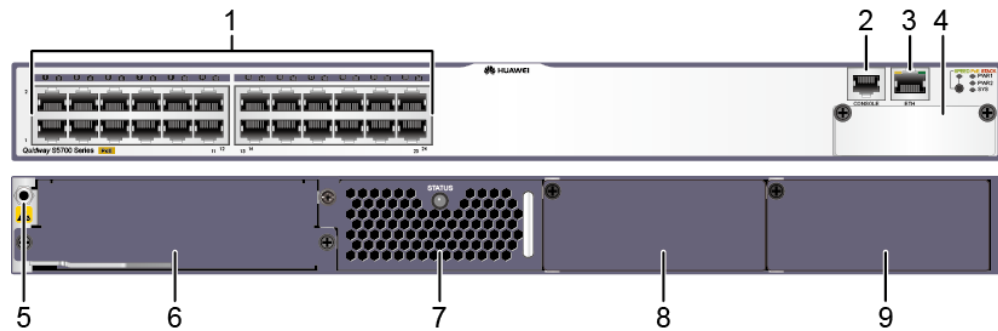
Figure 4-42 Appearance of the S5700-28C-EI-24S



1	Twenty 100/1000BASE-X Ethernet optical ports Applicable modules: • FE optical module • GE optical module • GE-CWDM optical module • GE SFP copper module	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module
3	One console port	4	One ETH management port
5	Front card slot NOTE For details about the mapping between cards and switches, see Cards.	6	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.
7	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.	8	Fan module slot NOTE Available fans: CX7E1FANA Fan Module
9	Power module slot 2 NOTE Available power modules: • 150 W AC Power Module • 150 W DC Power Module	10	Power module slot 1 NOTE Available power modules: • 150 W AC Power Module • 150 W DC Power Module

S5700-28C-PWR-EI

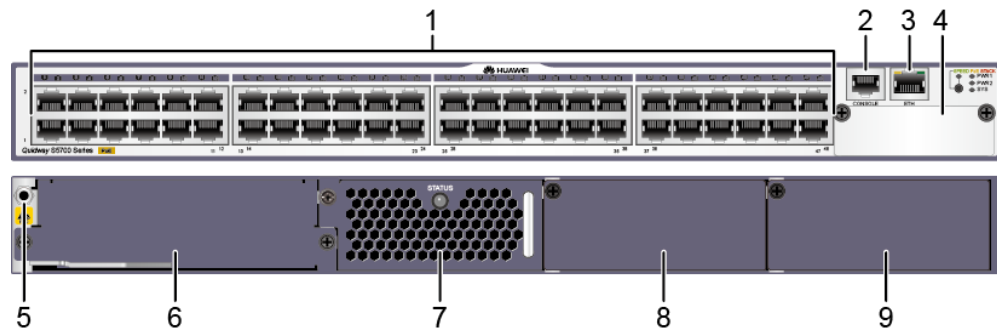
Figure 4-43 Appearance of the S5700-28C-PWR-EI



1	Twenty-four PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	One console port
3	One ETH management port	4	Front card slot NOTE For details about the mapping between cards and switches, see Cards.
5	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	6	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.
7	Fan module slot NOTE Available fans: CX7E1FANA Fan Module	8	Power module slot 2 NOTE Available power modules: 250 W AC PoE Power Module 500 W AC PoE Power Module
9	Power module slot 1 NOTE Available power modules: 250 W AC PoE Power Module 500 W AC PoE Power Module	-	-

S5700-52C-PWR-EI

Figure 4-44 Appearance of the S5700-52C-PWR-EI

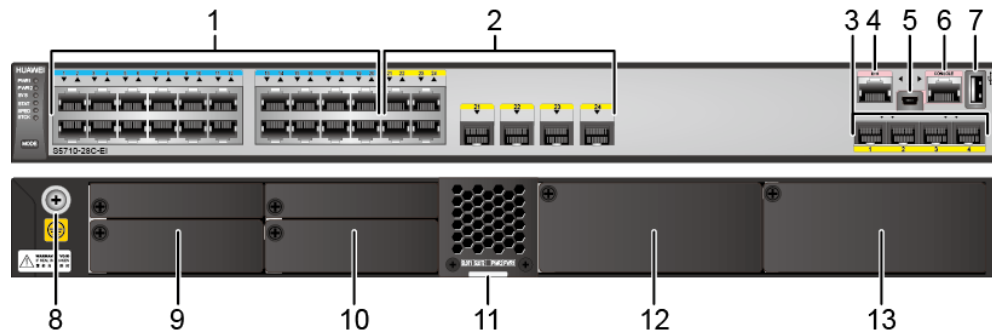


1	Forty-eight PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	One console port
3	One ETH management port	4	Front card slot NOTE For details about the mapping between cards and switches, see Cards.
5	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	6	Rear card slot NOTE For details about the mapping between cards and switches, see Cards.
7	Fan module slot NOTE Available fans: CX7E1FANA Fan Module	8	Power module slot 2 NOTE Available power modules: 250 W AC PoE Power Module 500 W AC PoE Power Module
9	Power module slot 1 NOTE Available power modules: 250 W AC PoE Power Module 500 W AC PoE Power Module	-	-

4.1.6 S5710-EI

S5710-28C-EI

Figure 4-45 Appearance of the S5710-28C-EI

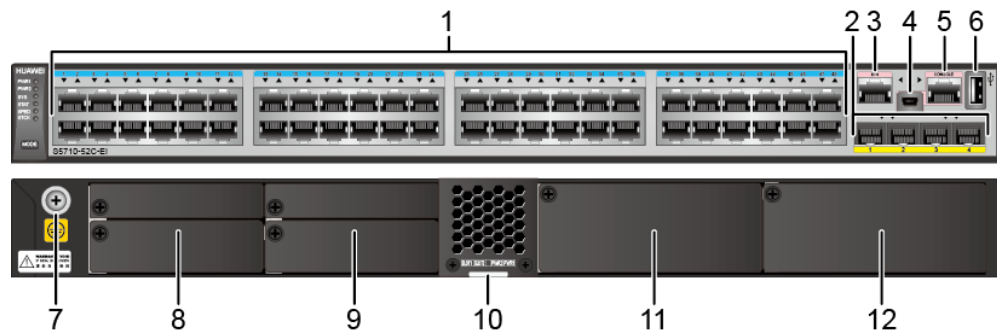


1	Twenty 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module • GE-DWDM optical module
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical modules • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 version) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)	4	One ETH management port
5	One Mini USB port	6	One console port
7	One USB port	8	Ground screw NOTE It is used with a ground cable.

9	Card slot 1 NOTE For details about the mapping between cards and switches, see Cards.	10	Card slot 2 NOTE For details about the mapping between cards and switches, see Cards.
11	Bar code label NOTE This label is drawable, and you can pull it outward to view the bar code and MAC address of the switch.	12	Power module slot 2 NOTE Available power modules: 150 W AC Power Module 150 W DC Power Module
13	Power module slot 1 NOTE Available power modules: 150 W AC Power Module 150 W DC Power Module	-	-

S5710-52C-EI

Figure 4-46 Appearance of the S5710-52C-EI

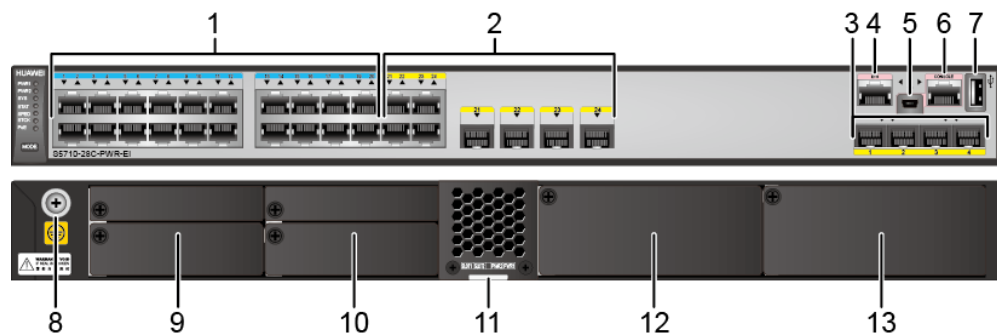


1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: - GE optical modules - GE-CWDM optical module - GE-DWDM optical module - GE SFP copper module 10GE SFP+ optical module 10GE-CWDM optical module (applicable in V200R005C00 version) 1 m, 3 m, 10 m SFP+ copper cables 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One ETH management port	4	One Mini USB port

5	One console port	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	Card slot 1 NOTE For details about the mapping between cards and switches, see Cards.
9	Card slot 2 NOTE For details about the mapping between cards and switches, see Cards.	10	Bar code label NOTE This label is drawable, and you can pull it outward to view the bar code and MAC address of the switch.
11	Power module slot 2 NOTE Available power modules: 150 W AC Power Module 150 W DC Power Module	12	Power module slot 1 NOTE Available power modules: 150 W AC Power Module 150 W DC Power Module

S5710-28C-PWR-EI-AC

Figure 4-47 Appearance of the S5710-28C-PWR-EI-AC

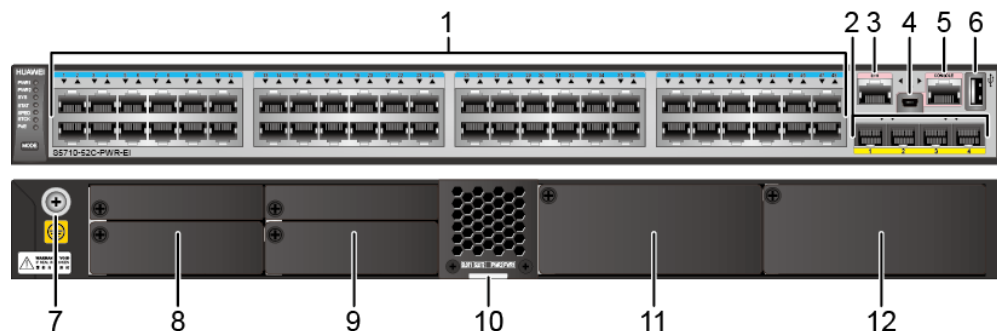


1	Twenty PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T (PoE+) +100/1000BASE-X) Modules applicable to combo optical ports: - FE optical module - GE optical module - GE-CWDM optical module - GE-DWDM optical module
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: - GE optical modules - GE-CWDM optical module - GE-DWDM optical module	4	One ETH management port

	- GE SFP copper module 10GE SFP+ optical module 10GE-CWDM optical module (applicable in V200R005C00 version) 1 m, 3 m, 10 m SFP+ copper cables 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)		
5	One Mini USB port	6	One console port
7	One USB port	8	Ground screw NOTE It is used with a ground cable.
9	Card slot 1 NOTE For details about the mapping between cards and switches, see Cards.	10	Card slot 2 NOTE For details about the mapping between cards and switches, see Cards.
11	Bar code label NOTE This label is drawable, and you can pull it outward to view the bar code and MAC address of the switch.	12	Power module slot 2 NOTE Available power modules: 580 W AC PoE Power Module
13	Power module slot 1 NOTE Available power modules: 580 W AC PoE Power Module	-	-

S5710-52C-PWR-EI-AC

Figure 4-48 Appearance of the S5710-52C-PWR-EI-AC



NOTE

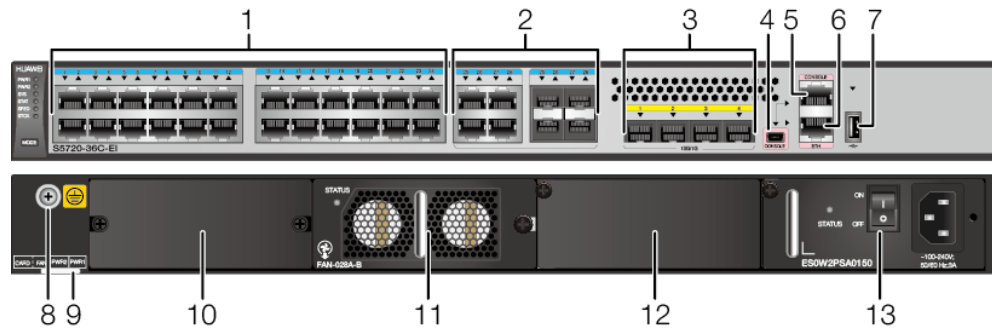
The S5710-52C-PWR-EI and S5710-52C-PWR-EI-AC have the same appearance and provide the same functions. The S5710-52C-PWR-EI-AC is sold with a 580 W internal power module, but the S5710-52C-PWR-EI is sold without a power module.

1	Forty-eight PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical modules • GE-CWDM optical module • GE-DWDM optical module • GE SFP copper module • 10GE SFP+ optical module • 10GE-CWDM optical module (applicable in V200R005C00 version) • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	One ETH management port	4	One Mini USB port
5	One console port	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	Card slot 1 NOTE For details about the mapping between cards and switches, see Cards.
9	Card slot 2 NOTE For details about the mapping between cards and switches, see Cards.	10	Bar code label NOTE This label is drawable, and you can pull it outward to view the bar code and MAC address of the switch.
11	Power module slot 2 NOTE Available power modules: • 580 W AC PoE Power Module • 1150 W AC PoE Power Module (supported only on the S5710-52C-PWR-EI)	12	Power module slot 1 NOTE Available power modules: • 580 W AC PoE Power Module • 1150 W AC PoE Power Module (supported only on the S5710-52C-PWR-EI)

4.1.7 S5720-EI

S5720-36C-EI-AC

Figure 4-49 Appearance of the S5720-36C-EI-AC

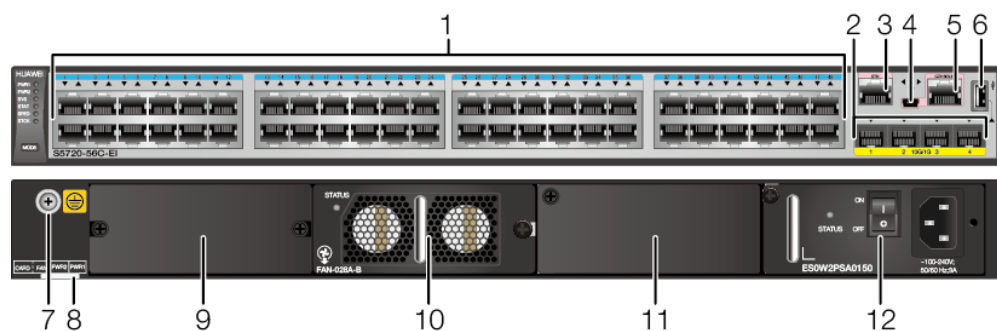


1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (OSXD22N00 not supported) • 10GE-CWDM optical module • 1 m, 3 m, 10 m SFP+ high-speed cables • 3 m, 10 m AOC cables	4	One Mini USB port
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One ETH management port
7	One USB port	8	Ground screw NOTE It is used with a ground cable.

9	Equipment serial number (ESN) label NOTE You can draw it out to view the ESN and MAC address of the switch.	10	Extended card slot Applicable cards: - ES5D21X02S01 - ES5D21X02T01 - ES5D21VST000
11	Fan module slot Applicable fan module: FAN-028A-B	12	Power module slot 2 Applicable power modules: 150 W AC power module 150 W DC power module
13	Power module slot 1 Applicable power modules: 150 W AC power module 150 W DC power module	-	-

S5720-56C-EI-AC

Figure 4-50 Appearance of the S5720-56C-EI-AC

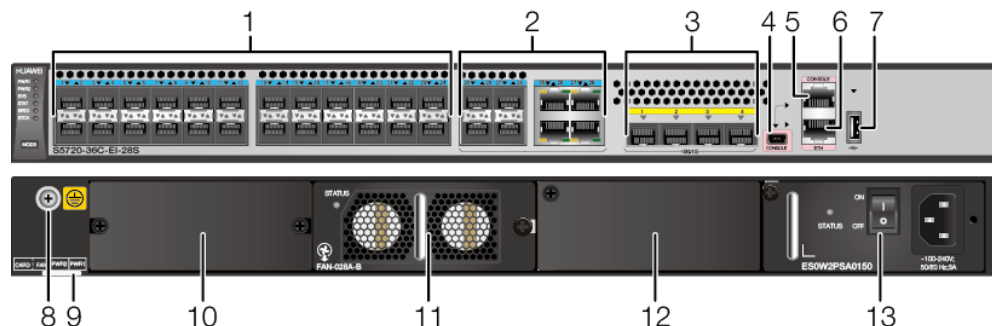


1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: - GE optical module - GE-CWDM optical module - GE-DWDM optical module - GE copper module 10GE SFP+ optical module (OSXD22N00 not supported) 10GE-CWDM optical module 1 m, 3 m, 10 m SFP+ high-speed cables 3 m, 10 m AOC cables
3	One ETH management port	4	One Mini USB port

5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	Equipment serial number (ESN) label NOTE You can draw it out to view the ESN and MAC address of the switch.
9	Extended card slot Applicable cards: - ES5D21X02S01 - ES5D21X02T01 - ES5D21VST000	10	Fan module slot Applicable fan module: FAN-028A-B
11	Power module slot 2 Applicable power modules: 150 W AC power module 150 W DC power module	12	Power module slot 1 Applicable power modules: 150 W AC power module 150 W DC power module

S5720-36C-EI-28S-AC

Figure 4-51 Appearance of the S5720-36C-EI-28S-AC

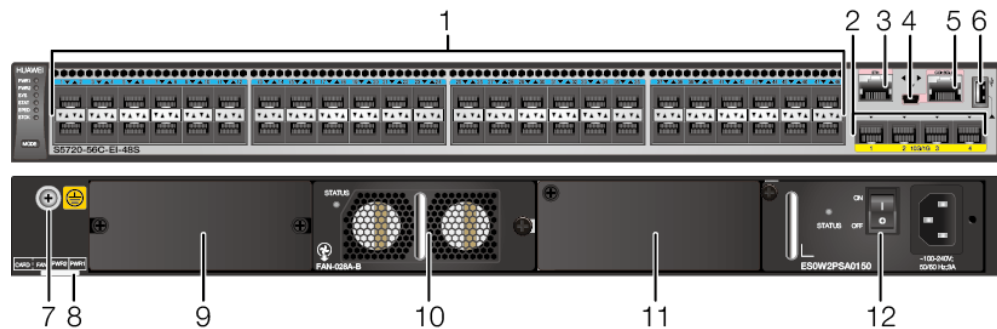


1	Twenty-four 100/1000BASE-X Ethernet optical ports Applicable modules: - FE optical module - GE optical module - GE-CWDM optical module - GE copper module	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: - FE optical module - GE optical module - GE-CWDM optical module
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables:	4	One Mini USB port

	• GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (OSXD22N00 not supported) • 10GE-CWDM optical module • 1 m, 3 m, 10 m SFP+ high-speed cables • 3 m, 10 m AOC cables		
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One ETH management port
7	One USB port	8	Ground screw NOTE It is used with a ground cable.
9	Equipment serial number (ESN) label NOTE You can draw it out to view the ESN and MAC address of the switch.	10	Extended card slot Applicable cards: • ES5D21X02S01 • ES5D21X02T01 • ES5D21VST000
11	Fan module slot Applicable fan module: FAN-028A-B	12	Power module slot 2 Applicable power modules: • 150 W AC power module • 150 W DC power module
13	Power module slot 1 Applicable power modules: • 150 W AC power module • 150 W DC power module	-	-

S5720-56C-EI-48S-AC

Figure 4-52 Appearance of the S5720-56C-EI-48S-AC

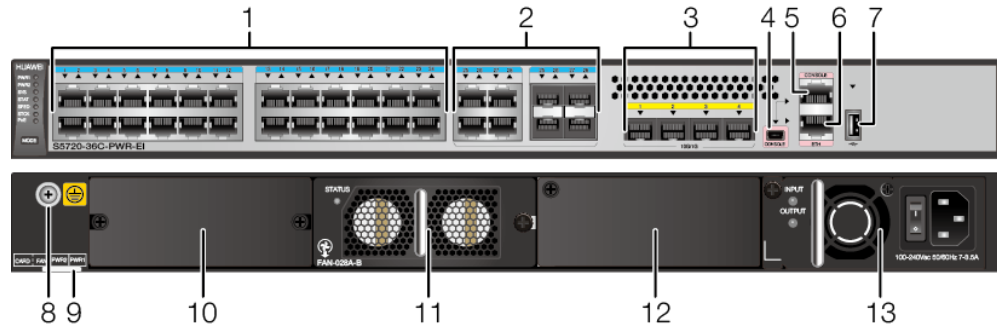


1	Forty-eight 100/1000BASE-X Ethernet optical ports Applicable modules: - FE optical module - GE optical module - GE-CWDM optical module - GE copper module	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: - GE optical module - GE-CWDM optical module - GE-DWDM optical module - GE copper module 10GE SFP+ optical module (OSXD22N00 not supported) 10GE-CWDM optical module 1 m, 3 m, 10 m SFP+ high-speed cables 3 m, 10 m AOC cables
3	One ETH management port	4	One Mini USB port
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	Equipment serial number (ESN) label NOTE You can draw it out to view the ESN and MAC address of the switch.
9	Extended card slot Applicable cards: - ES5D21X02S01 - ES5D21X02T01 - ES5D21VST000	10	Fan module slot Applicable fan module: FAN-028A-B
11	Power module slot 2 Applicable power modules:	12	Power module slot 1 Applicable power modules:

• 150 W AC power module • 150 W DC power module	• 150 W AC power module • 150 W DC power module
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S5720-36C-PWR-EI-AC

Figure 4-53 Appearance of the S5720-36C-PWR-EI-AC

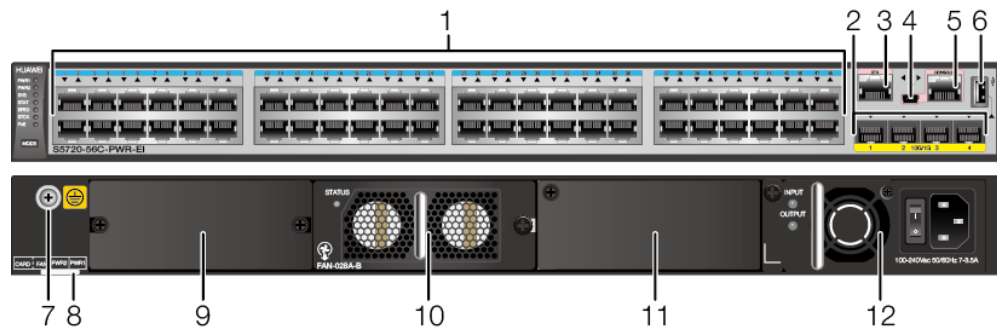


1	Twenty-four PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T (PoE+) + 100/1000BASE-X) Modules applicable to combo optical ports: • FE optical module • GE optical module • GE-CWDM optical module
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (OSXD22N00 not supported) • 10GE-CWDM optical module • 1 m, 3 m, 10 m SFP+ high-speed cables • 3 m, 10 m AOC cables	4	One Mini USB port
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One ETH management port
7	One USB port	8	Ground screw NOTE

			It is used with a ground cable.
9	Equipment serial number (ESN) label NOTE You can draw it out to view the ESN and MAC address of the switch.	10	Extended card slot Applicable cards: - ES5D21X02S01 - ES5D21X02T01 - ES5D21VST000
11	Fan module slot Applicable fan module: FAN-028A-B	12	Power module slot 2 Applicable power modules: 500 W AC PoE power module 650 W DC PoE power module
13	Power module slot 1 Applicable power modules: 500 W AC PoE power module 650 W DC PoE power module	-	-

S5720-56C-PWR-EI-AC

Figure 4-54 Appearance of the S5720-56C-PWR-EI-AC

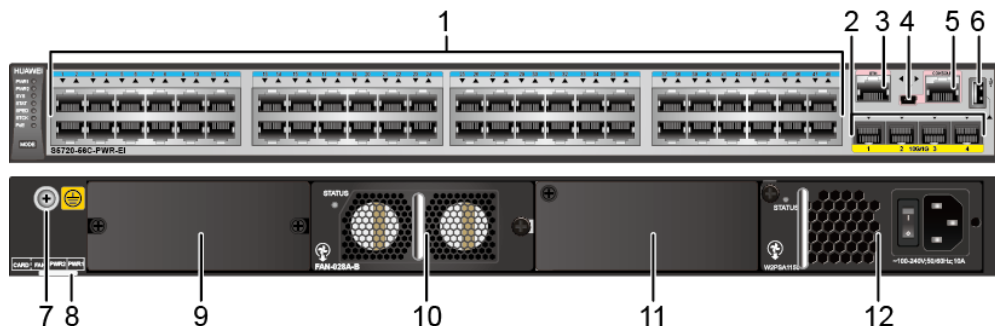


1	Forty-eight PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: - GE optical module - GE-CWDM optical module - GE-DWDM optical module - GE copper module 10GE SFP+ optical module (OSXD22N00 not supported) 10GE-CWDM optical module 1 m, 3 m, 10 m SFP+ high-speed cables 3 m, 10 m AOC cables
3	One ETH management port	4	One Mini USB port

5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	Equipment serial number (ESN) label NOTE You can draw it out to view the ESN and MAC address of the switch.
9	Extended card slot Applicable cards: - ES5D21X02S01 - ES5D21X02T01 - ES5D21VST000	10	Fan module slot Applicable fan module: FAN-028A-B
11	Power module slot 2 Applicable power modules: 500 W AC PoE power module 650 W DC PoE power module	12	Power module slot 1 Applicable power modules: 500 W AC PoE power module 650 W DC PoE power module

S5720-56C-PWR-EI-AC1

Figure 4-55 Appearance of the S5720-56C-PWR-EI-AC1



NOTE

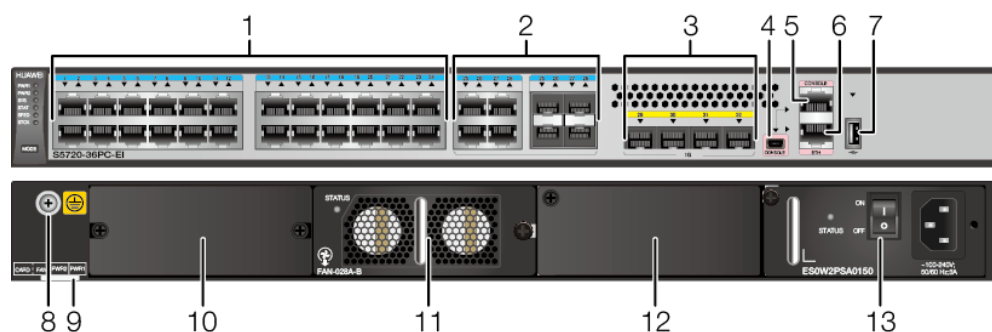
The S5720-56C-PWR-EI-AC1 and S5720-56C-PWR-EI-AC have the same appearance. The difference lies in the power modules delivered with them. The S5720-56C-PWR-EI-AC1 is delivered with a 1150 W AC PoE power module by default, whereas the S5720-56C-PWR-EI-AC is delivered with a 500 W AC PoE power module by default.

1	Forty-eight PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: - GE optical module - GE-CWDM optical module - GE-DWDM optical module - GE copper module
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			10GE SFP+ optical module (OSXD22N00 not supported) 10GE-CWDM optical module 1 m, 3 m, 10 m SFP+ high-speed cables 3 m, 10 m AOC cables
3	One ETH management port	4	One Mini USB port
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	Equipment serial number (ESN) label NOTE You can draw it out to view the ESN and MAC address of the switch.
9	Extended card slot Applicable cards: - ES5D21X02S01 - ES5D21X02T01 - ES5D21VST000	10	Fan module slot Applicable fan module: FAN-028A-B
11	Power module slot 2 Applicable power module: 1150 W AC PoE power module	12	Power module slot 1 Applicable power module: 1150 W AC PoE power module

S5720-36PC-EI-AC

Figure 4-56 Appearance of the S5720-36PC-EI-AC

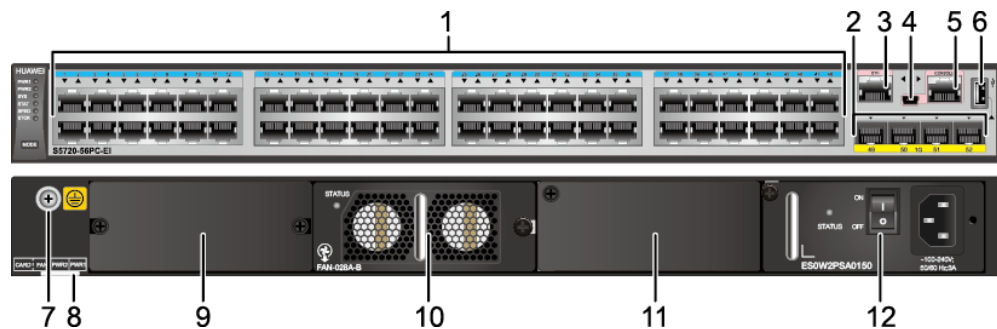


1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports:
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			• FE optical module • GE optical module • GE-CWDM optical module
3	Four 1000BASE-X Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module (only working at 1 Gbit/s) • 1 m, 10 m SFP+ high-speed cables • 3 m, 10 m AOC cables	4	One Mini USB port
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One ETH management port
7	One USB port	8	Ground screw NOTE It is used with a ground cable.
9	Equipment serial number (ESN) label NOTE You can draw it out to view the ESN and MAC address of the switch.	10	Extended card slot Applicable cards: • ES5D21X02S01 • ES5D21X02T01 • ES5D21VST000
11	Fan module slot Applicable fan module: FAN-028A-B	12	Power module slot 2 Applicable power modules: • 150 W AC power module • 150 W DC power module
13	Power module slot 1 Applicable power modules: • 150 W AC power module • 150 W DC power module	-	-

S5720-56PC-EI-AC

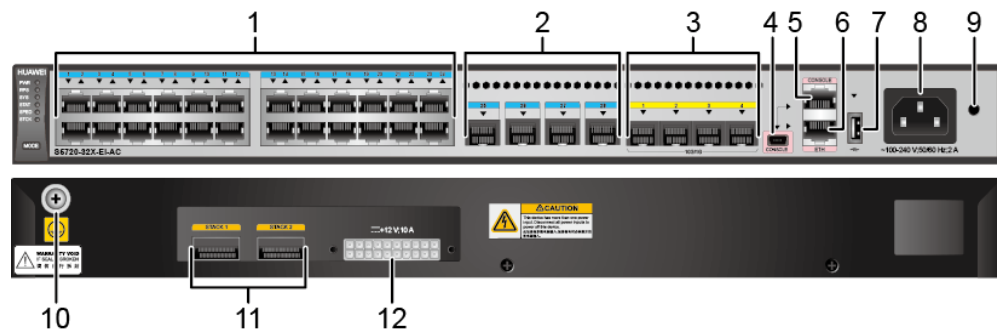
Figure 4-57 Appearance of the S5720-56PC-EI-AC



1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 1000BASE-X Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module (only working at 1 Gbit/s) • 1 m, 10 m SFP+ high-speed cables • 3 m, 10 m AOC cables
3	One ETH management port	4	One Mini USB port
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	Equipment serial number (ESN) label NOTE You can draw it out to view the ESN and MAC address of the switch.
9	Extended card slot Applicable cards: • ES5D21X02S01 • ES5D21X02T01 • ES5D21VST000	10	Fan module slot Applicable fan module: FAN-028A-B
11	Power module slot 2 Applicable power modules: • 150 W AC power module • 150 W DC power module	12	Power module slot 1 Applicable power modules: • 150 W AC power module • 150 W DC power module

S5720-32X-EI-AC

Figure 4-58 Appearance of the S5720-32X-EI-AC

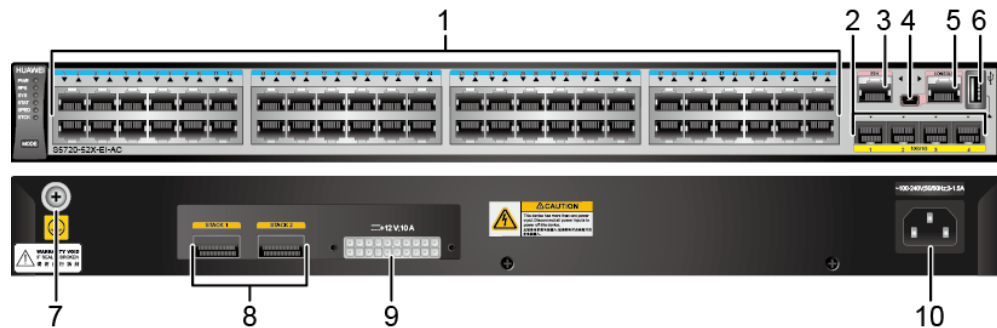


1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four 100/1000BASE-X Ethernet optical ports Applicable modules: • FE optical module • GE optical module • GE-CWDM optical module • GE copper module
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (OSXD22N00 not supported) • 10GE-CWDM optical module • 1 m, 3 m, 10 m SFP+ high-speed cables • 3 m, 10 m AOC cables	4	One Mini USB port
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One ETH management port
7	One USB port	8	AC power socket NOTE It is used with an AC power cable.
9	Jack reserved for AC terminal locking latch	10	Ground screw NOTE

	NOTE The AC terminal locking latch is not delivered with the switch.		It is used with a ground cable.
11	Two QSFP+ stack optical ports Applicable modules and cables: • QSFP+ optical module (only QSFP-40G-SR4 and QSFP-40G-iSR4 supported) • 1 m, 3 m, 5 m QSFP+ copper cables	12	RPS socket NOTE It is used with an RPS cable, which is not hot swappable.

S5720-52X-EI-AC

Figure 4-59 Appearance of the S5720-52X-EI-AC

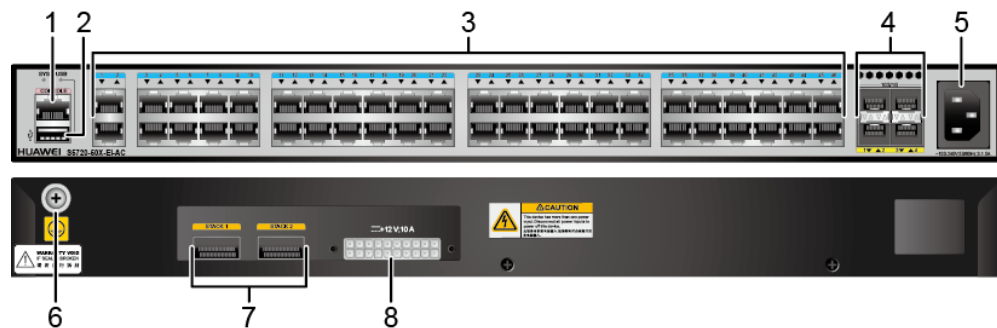


1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (OSXD22N00 not supported) • 10GE-CWDM optical module • 1 m, 3 m, 10 m SFP+ high-speed cables • 3 m, 10 m AOC cables
3	One ETH management port	4	One Mini USB port
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One USB port
7	Ground screw	8	Two QSFP+ stack optical ports

	NOTE It is used with a ground cable.		Applicable modules and cables: • QSFP+ optical module (only QSFP-40G-SR4 and QSFP-40G-iSR4 supported) • 1 m, 3 m, 5 m QSFP+ copper cables
9	RPS socket NOTE It is used with an RPS cable, which is not hot swappable.	10	AC power socket NOTE It is used with an AC power cable.

S5720-50X-EI-AC

Figure 4-60 Appearance of the S5720-50X-EI-AC

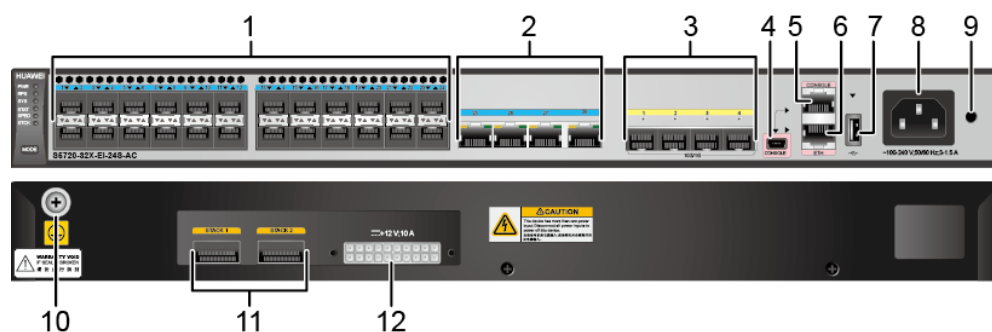


1	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	2	One USB port
3	Forty-six 10/100/1000BASE-T Ethernet electrical ports	4	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (OSXD22N00 not supported) • 10GE-CWDM optical module • 1 m, 3 m, 10 m SFP+ high-speed cables • 3 m, 10 m AOC cables
5	AC power socket NOTE It is used with an AC power cable.	6	Ground screw NOTE It is used with a ground cable.

7	Two QSFP+ stack optical ports Applicable modules and cables: • QSFP+ optical module (only QSFP-40G-SR4 and QSFP-40G-iSR4 supported) • 1 m, 3 m, 5 m QSFP+ copper cables	8	RPS socket NOTE It is used with an RPS cable, which is not hot swappable.
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S5720-32X-EI-24S-AC

Figure 4-61 Appearance of the S5720-32X-EI-24S-AC

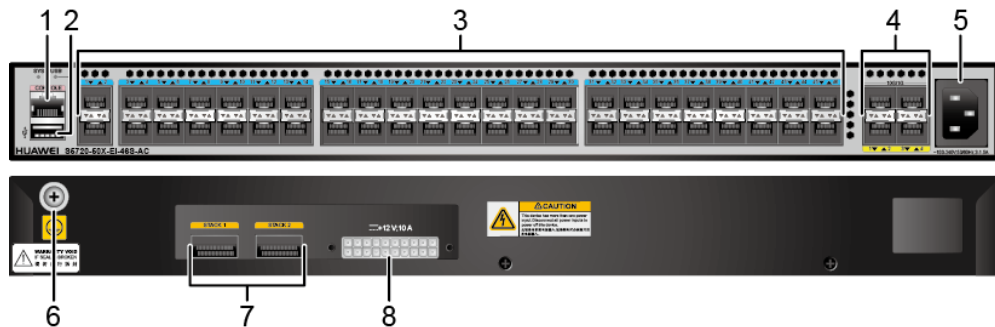


1	Twenty-four 100/1000BASE-X Ethernet optical ports Applicable modules: • FE optical module • GE optical module • GE-CWDM optical module • GE copper module	2	Four 10/100/1000BASE-T Ethernet electrical ports
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (OSXD22N00 not supported) • 10GE-CWDM optical module • 1 m, 3 m, 10 m SFP+ high-speed cables • 3 m, 10 m AOC cables	4	One Mini USB port
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and	6	One ETH management port

	needs to be separately purchased if needed.		
7	One USB port	8	AC power socket NOTE It is used with an AC power cable.
9	Jack reserved for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	10	Ground screw NOTE It is used with a ground cable.
11	Two QSFP+ stack optical ports Applicable modules and cables: • QSFP+ optical module (only QSFP-40G-SR4 and QSFP-40G-iSR4 supported) • 1 m, 3 m, 5 m QSFP+ copper cables	12	RPS socket NOTE It is used with an RPS cable, which is not hot swappable.

S5720-50X-EI-46S-AC

Figure 4-62 Appearance of the S5720-50X-EI-46S-AC

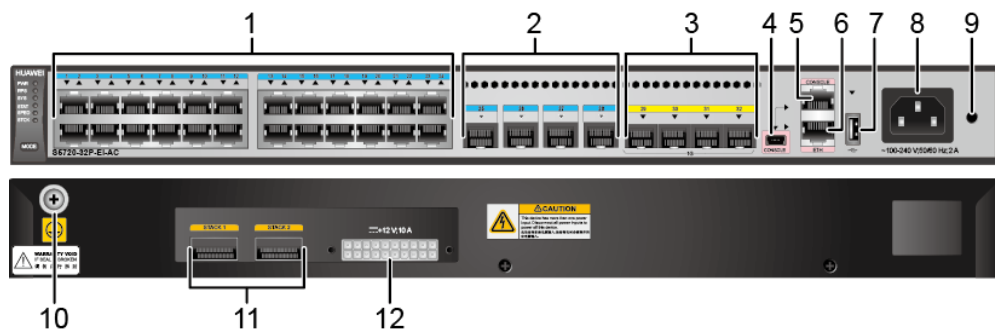


1	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	2	One USB port
3	Forty-six 100/1000BASE-X Ethernet optical ports Applicable modules: • FE optical module • GE optical module • GE-CWDM optical module • GE copper module	4	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (OSXD22N00 not supported)

			10GE-CWDM optical module 1 m, 3 m, 10 m SFP+ high-speed cables 3 m, 10 m AOC cables
5	AC power socket NOTE It is used with an AC power cable.	6	Ground screw NOTE It is used with a ground cable.
7	Two QSFP+ stack optical ports Applicable modules and cables: - QSFP+ optical module (only QSFP-40G-SR4 and QSFP-40G-iSR4 supported) 1 m, 3 m, 5 m QSFP+ copper cables	8	RPS socket NOTE It is used with an RPS cable, which is not hot swappable.

S5720-32P-EI-AC

Figure 4-63 Appearance of the S5720-32P-EI-AC

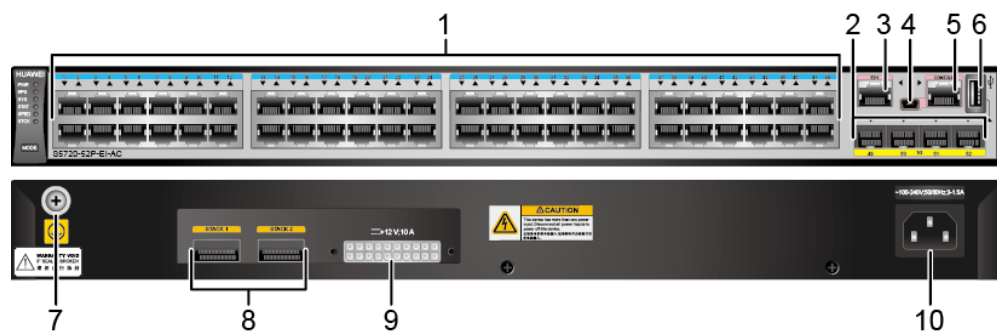


1	Twenty-four 10/100/1000BASE-T Ethernet electrical ports	2	Four 100/1000BASE-X Ethernet optical ports Applicable modules: - FE optical module - GE optical module - GE-CWDM optical module - GE copper module
3	Four 1000BASE-X Ethernet optical ports Applicable modules and cables: - GE optical module - GE-CWDM optical module - GE-DWDM optical module - GE copper module (only working at 1 Gbit/s)	4	One Mini USB port

	1 m, 10 m SFP+ high-speed cables 3 m, 10 m AOC cables		
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One ETH management port
7	One USB port	8	AC power socket NOTE It is used with an AC power cable.
9	Jack reserved for AC terminal locking latch NOTE The AC terminal locking latch is not delivered with the switch.	10	Ground screw NOTE It is used with a ground cable.
11	Two QSFP+ stack optical ports Applicable modules and cables: - QSFP+ optical module (only QSFP-40G-SR4 and QSFP-40G-iSR4 supported) 1 m, 3 m, 5 m QSFP+ copper cables	12	RPS socket NOTE It is used with an RPS cable, which is not hot swappable.

S5720-52P-EI-AC

Figure 4-64 Appearance of the S5720-52P-EI-AC



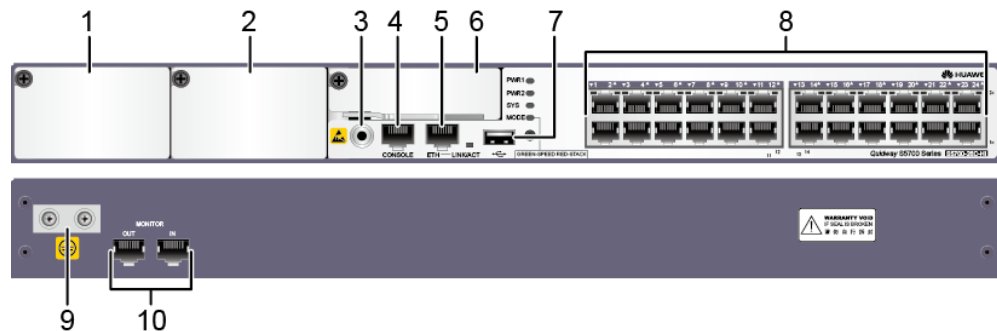
1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 1000BASE-X Ethernet optical ports Applicable modules and cables: - GE optical module - GE-CWDM optical module - GE-DWDM optical module - GE copper module (only working at
---	---	---	---

			1 Gbit/s) 1 m, 10 m SFP+ high-speed cables 3 m, 10 m AOC cables
3	One ETH management port	4	One Mini USB port
5	One console port NOTE It is used with a console cable. The console cable is not delivered with the switch and needs to be separately purchased if needed.	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	Two QSFP+ stack optical ports Applicable modules and cables: - QSFP+ optical module (only QSFP-40G-SR4 and QSFP-40G-iSR4 supported) 1 m, 3 m, 5 m QSFP+ copper cables
9	RPS socket NOTE It is used with an RPS cable, which is not hot swappable.	10	AC power socket NOTE It is used with an AC power cable.

4.1.8 S5700-HI

S5700-28C-HI

Figure 4-65 Appearance of the S5700-28C-HI

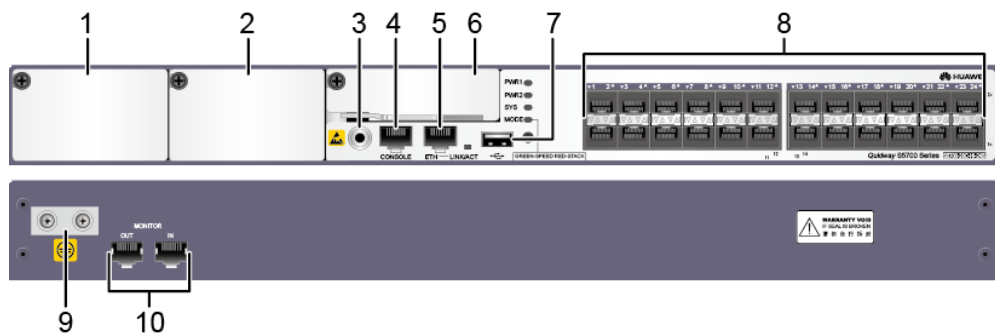


1	Power module slot 1 NOTE Available power modules: 170 W AC Power Module 170 W DC Power Module	2	Power module slot 2 NOTE Available power modules: 170 W AC Power Module 170 W DC Power Module
3	ESD jack NOTE When you install or maintain a switch, wear	4	One console port

	an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.		
5	One ETH management port	6	Front card slot NOTE For details about the mapping between cards and switches, see Cards.
7	One USB port	8	Twenty-four 10/100/1000BASE-T Ethernet electrical ports
9	Ground screw NOTE It is used with a ground cable.	10	Monitoring port NOTE The monitoring port monitors the cabinet door, power module, battery power, and power supply of the air conditioner.

S5700-28C-HI-24S

Figure 4-66 Appearance of the S5700-28C-HI-24S



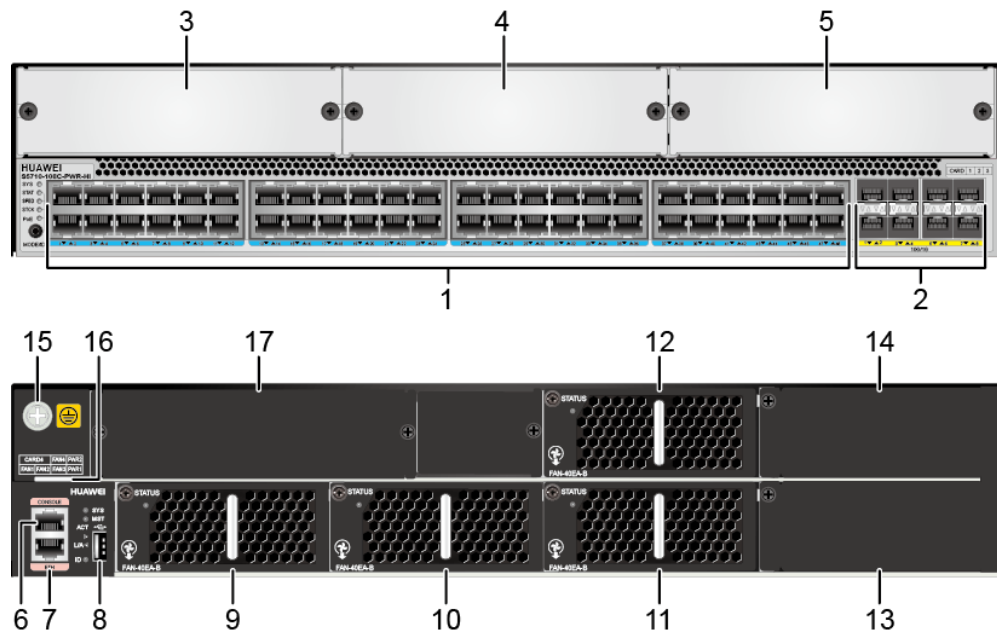
1	Power module slot 1 NOTE Available power modules: 170 W AC Power Module 170 W DC Power Module	2	Power module slot 2 NOTE Available power modules: 170 W AC Power Module 170 W DC Power Module
3	ESD jack NOTE When you install or maintain a switch, wear an ESD wrist strap and insert the other end of the ESD wrist strap into this ESD jack.	4	One console port
5	One ETH management port	6	Front card slot NOTE For details about the mapping between cards and switches, see Cards.
7	One USB port	8	Twenty-four 100/1000BASE-X Ethernet optical ports Applicable modules:

			- FE optical module - GE optical module - GE-CWDM optical module - GE SFP copper module
9	Ground screw NOTE It is used with a ground cable.	10	Monitoring port NOTE The monitoring port monitors the cabinet door, power module, battery power, and power supply of the air conditioner.

4.1.9 S5710-HI

S5710-108C-PWR-HI

Figure 4-67 Appearance of the S5710-108C-PWR-HI



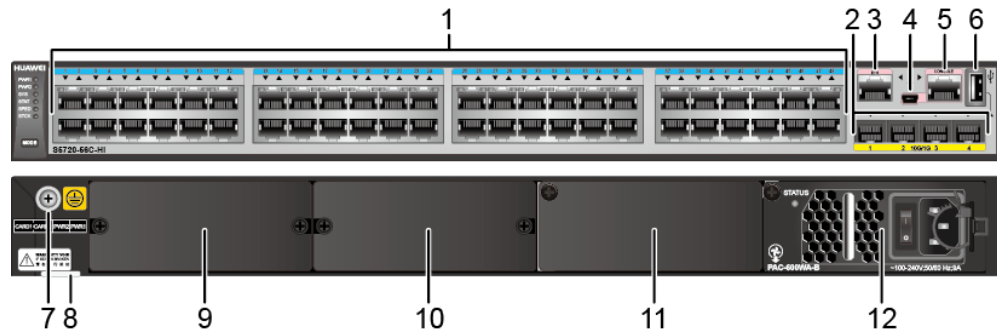
1	Forty-eight PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Eight 10GE SFP+ Ethernet optical ports Applicable modules and cables: - GE optical module - GE-CWDM optical module - GE-DWDM optical module - GE SFP copper module 10GE SFP+ optical module 10GE-CWDM optical module (applicable in V200R005C00 version)
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			1 m, 3 m, 10 m SFP+ copper cables 3 m, 10 m AOC cables (applicable in V200R003C00 and later versions)
3	Card slot 1 NOTE Available cards: - ES5D21G16S00 - ES5D21G16T00	4	Card slot 2 NOTE Available cards: - ES5D21G16S00 - ES5D21G16T00
5	Card slot 3 NOTE Available cards: - ES5D21G16S00 - ES5D21G16T00	6	One console port
7	One ETH management port	8	One USB port
9	Fan slot 1 NOTE Available fan module: FAN-40EA-B fan module	10	Fan slot 2 NOTE Available fan module: FAN-40EA-B fan module
11	Fan slot 3 NOTE Available fan module: FAN-40EA-B fan module	12	Fan slot 4 NOTE Available fan module: FAN-40EA-B fan module
13	Power module slot 1 NOTE Available power module: 350 W AC power module 1150 W AC PoE power module	14	Power module slot 2 NOTE Available power module: 350 W AC power module 1150 W AC PoE power module
15	Ground screw NOTE It is used with a ground cable.	16	Bar code label NOTE This label is drawable, and you can pull it outward to view the bar code and MAC address of the switch.
17	Card slot 4 NOTE Available cards: - ES5D21L04Q00 - ES5D21X04S00	-	-

4.1.10 S5720-HI

S5720-56C-HI-AC

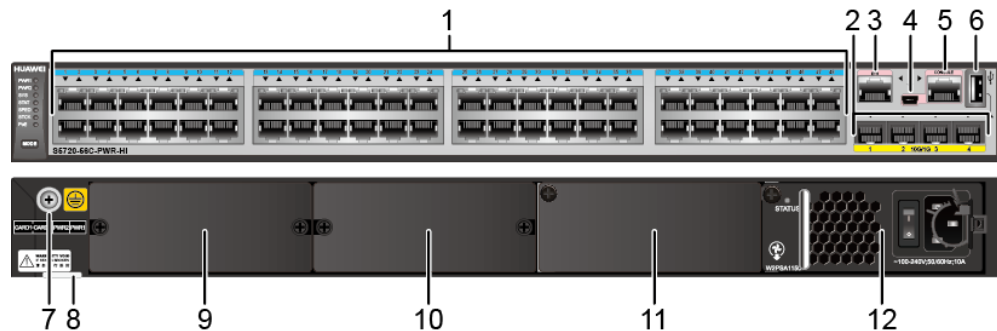
Figure 4-68 Appearance of the S5720-56C-HI-AC



1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (not support OSXD22N00) • 10GE-CWDM optical module • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables
3	One ETH management port	4	One Mini USB port
5	One console port	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	Bar code label NOTE This label is drawable, and you can pull it outward to view the bar code and MAC address of the switch.
9	Extended card slot 1 NOTE This slot is reserved for a stack card.	10	Extended card slot 2 NOTE This slot support the ES5D21X04S01 card.
11	Power module slot 2 NOTE Applicable power modules: • 350 W DC power module • 600 W AC power module	12	Power module slot 1 NOTE Applicable power modules: • 350 W DC power module • 600 W AC power module

S5720-56C-PWR-HI-AC

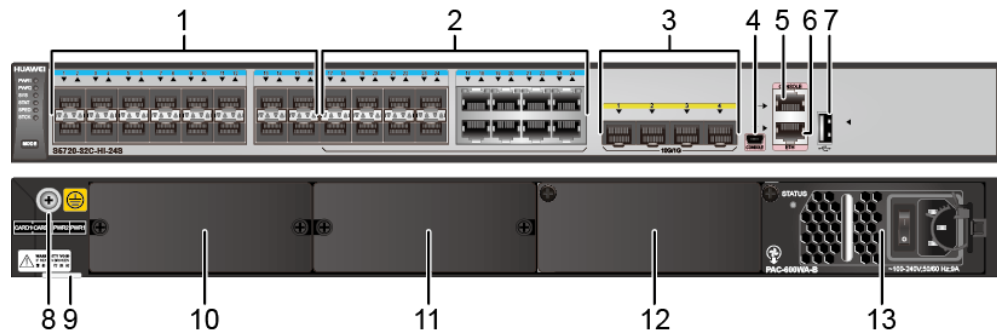
Figure 4-69 Appearance of the S5720-56C-PWR-HI-AC



1	Forty-eight PoE+ 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (not support OSXD22N00) • 10GE-CWDM optical module • 1 m, 3 m, 10 m SFP+ copper cables • 3 m, 10 m AOC cables
3	One ETH management port	4	One Mini USB port
5	One console port	6	One USB port
7	Ground screw NOTE It is used with a ground cable.	8	Bar code label NOTE This label is drawable, and you can pull it outward to view the bar code and MAC address of the switch.
9	Extended card slot 1 NOTE This slot is reserved for a stack card.	10	Extended card slot 2 NOTE This slot support the ES5D21X04S01 card.
11	Power module slot 2 NOTE Applicable power module: • 1150 W AC PoE power module	12	Power module slot 1 NOTE Applicable power module: • 1150 W AC PoE power module

S5720-32C-HI-24S-AC

Figure 4-70 Appearance of the S5720-32C-HI-24S-AC



1	Sixteen 100/1000BASE-X Ethernet optical ports Applicable modules: - FE optical module - GE optical module - GE-CWDM optical module - GE-DWDM optical module - GE copper module	2	Eight combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports: - FE optical module - GE optical module - GE-CWDM optical module - GE-DWDM optical module
3	Four 10GE SFP+ Ethernet optical ports Applicable modules and cables: - GE optical module - GE-CWDM optical module - GE-DWDM optical module - GE copper module 10GE SFP+ optical module (not support OSXD22N00) 10GE-CWDM optical module 1 m, 3 m, 10 m SFP+ copper cables 3 m, 10 m AOC cables	4	One Mini USB port
5	One console port	6	One ETH management port
7	One USB port	8	Ground screw NOTE It is used with a ground cable.
9	Bar code label NOTE This label is drawable, and you can pull it outward to view the bar code and MAC address of the switch.	10	Extended card slot 1 NOTE This slot is reserved for a stack card.

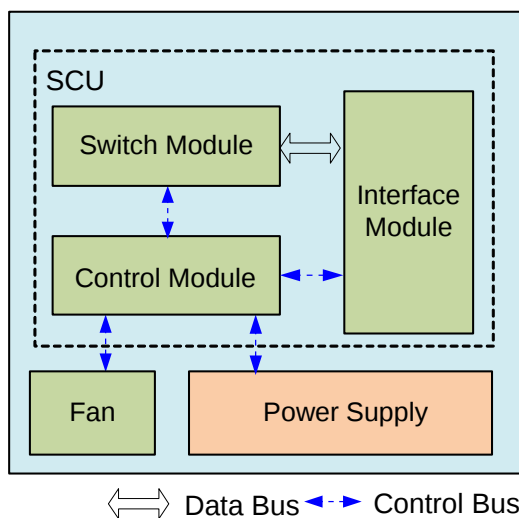
11	Extended card slot 2 NOTE This slot support the ES5D21X04S01 card.	12	Power module slot 2 NOTE Applicable power modules: • 350 W DC power module • 600 W AC power module
13	Power module slot 1 NOTE Applicable power modules: • 350 W DC power module • 600 W AC power module	-	-

4.2 Hardware Modules

Figure 4-71 shows the logical structure of hardware modules of the switch.

Hardware modules of the S5700 refer to the interface card, SCU (Switch Control Unit), power supply, Pluggable Modules for Interfaces, and fan.

Figure 4-71 Logical structure of hardware modules



SCU

The SCU is fixed on the S5700. Each S5700 has one SCU.

The SCU is responsible for packet switching and device management. It integrates multiple functional modules, namely, the main control module, switching module, and interface module.

Main Control Module

The main control module implements the following functions:

- Processing protocols

- Functioning as an agent of the user to manage the system and monitor the system performance according to instructions of the user, and report the running status of the device to the user
- Monitoring and maintaining the interface module and switching module on the SCU

Switching Module

The switching module, also called the switching fabric, is responsible for packet exchange, multicast replication, QoS scheduling, and access control on the interface module of the SCU.

The switching module adopts high performance chips to implement line-speed forwarding and fast switching of data with different priorities.

Interface Module

The interface module provides Ethernet interfaces for accessing Ethernet services.

Power Supply

For details about S5700-LI power supply configuration, see *S5700 Hardware Description - Chassis - S5700-LI - Power Supply*.

For details about S5700S-LI power supply configuration, see *S5700 Hardware Description - Chassis - S5700S-LI - Power Supply*.

For details about S5710-LI power supply configuration, see *S5700 Hardware Description - Chassis - S5710-LI - Power Supply*.

For details about S5700-SI power supply configuration, see *S5700 Hardware Description - Chassis - S5700-SI - Power Supply*.

For details about S5700-EI power supply configuration, see *S5700 Hardware Description - Chassis - S5700-EI - Power Supply*.

For details about power supply configuration of the S5710-EI, see *S5700 Hardware Description - Chassis - S5710-EI - Power Supply*.

For details about power supply configuration of the S5720-EI, see *S5700 Hardware Description - Chassis - S5720-EI - Power Supply*.

For details about S5700-HI power supply configuration, see *S5700 Hardware Description - Chassis - S5700-HI - Power Supply*.

For details about S5710-HI power supply configuration, see *S5700 Hardware Description - Chassis - S5710-HI - Power Supply*.

For details about S5720-HI power supply configuration, see *S5700 Hardware Description - Chassis - S5720-HI - Power Supply*.

Cards

The S5700 supports service and stack cards. Service cards allow flexible networking and provide cost-effective and customized solutions. Stack cards connect multiple switches into one logical switch, which implements on-demand expansion, reduces investments, simplifies management, and improves network reliability.

For details about cards supported by the S5700, see *S5700 Hardware Description - Cards*.

Fan Modules

A fan module provides heat dissipation for the system. Fan modules work in intelligent or forcible mode.

In intelligent mode, fan modules start to operate only when the ambient temperature goes higher than a specified value. You can run the **display fan speed-adjust threshold minus** command to view the temperature thresholds for fan speed adjustment. This command is supported only in V200R003C00 and later versions.

In forcible mode, fan modules start to work as soon as the switch starts.

For details about fan modules supported by the S5700, see *S5700 Hardware Description - Fan Modules*.

Pluggable Modules for Interfaces

For specifications of various pluggable Modules for Interfaces, see "Pluggable Modules for Interfaces" in the *S5700 Series Ethernet Switches Hardware Description*.

5 Product Performance

About This Chapter

- 5.1 Product Features
- 5.2 Performance Specifications

5.1 Product Features

 **NOTE**
Unless otherwise specified, this document describes switch features and software performance of the latest version.

Table 5-1 lists features supported by the S5700.

Table 5-1 Features supported by the S5700

Feature		Description	Difference
Ethernet features	Ethernet	Operating modes of full-duplex, half-duplex and auto-negotiation	Only the S5720HI do not support the operating mode of half-duplex.
		Rates of an Ethernet interface: 10 Mbit/s, 100 Mbit/s, 1000 Mbit/s, 10 Gbit/s, and auto-negotiation	None
		Flow control on interfaces	
		Jumbo frames	
		Link aggregation	
		Load balancing among links of a trunk	
		Transparent transmission of Layer 2 protocol packets	
		Device Link Detection Protocol (DLDP)	

Feature		Description	Difference
		Link Layer Discovery Protocol (LLDP)	
		LLDP-MED to enable the switches to get some layer 2 information and automatically allocate certain network parameters including VLAN,policy and QoS	
		Interface isolation and forwarding restriction	
		Broadcast storm suppression	
	VLAN	Access modes of access, trunk, hybrid, and QinQ	None
		Default VLAN	
		VLAN assignment based on interfaces, MAC addresses, protocols, and IP subnets	
		VLAN assignment based on the following policies: • MAC address + IP address • MAC address + IP address + interface number • DHCP policies	
		VLAN stacking for untagged packets	None
		Super VLAN	Only the S5700LI, S5700S-LI, and S5710-LI do not support this function.
		VLAN mapping	None
		Selective QinQ	
		MUX VLAN	
		Voice VLAN	
		Guest VLAN	
	GVRP	Generic Attribute Registration Protocol (GARP)	None
		GARP VLAN Registration Protocol (GVRP)	
	VCMP	VCMP (VLAN centralized management protocol)	None

Feature		Description	Difference
	MAC	Automatic learning and aging of MAC addresses	None
		Static, dynamic, and blackhole MAC address entries	
		Packet filtering based on source MAC addresses	
		Interface-based MAC learning limiting	
		Sticky MAC address entries	
		MAC address flapping detection	
	Port bridge	Configuring MAC address learning priorities for interfaces	Only the S5710EI, S5720EI, S5700HI, S5710HI, and S5720HI support this function.
		MAC address spoofing defense	Only the S5710EI, S5700HI, S5710HI, and S5720HI do not support this function. Only the S5700LI, S5700S-LI, S5710LI, S5700SI, and S5700EI support this function.
		Port bridge	None
		Port bridge	None
Ethernet loop protection	ARP	Static and dynamic ARP entries	None
		RARP	
		ARP in a VLAN	
		Aging of ARP entries	
	Proxy ARP	Proxy ARP	Only the S5700LI and S5700S-LI do not support this function.
		Multi-port ARP for connecting to the NLB cluster server	Only the S5710EI, S5720EI, S5700HI, S5710HI, and S5720HI support this function.
	MSTP	STP	None
		RSTP	
		MSTP	
		VBST	
		BPDU protection, root protection,	

Feature		Description	Difference
		and loop protection	
		TC-BPDU attack defense	
		STP loop detection	
	Loopback detection	Loop detection on an interface	
	SEP	Smart Ethernet Protection (SEP)	
	Smart Link	Smart Link	
		Smart Link multi-instance	
		Monitor Link	
	RRPP	RRPP protective switchover	
		Single RRPP ring, tangent RRPP ring, and intersecting RRPP ring	
		Hybrid networking of RRPP rings and other ring networks	
	ERPS	G.8032 v1/v2	Only the S5700S-LI does not support this function.
		Single closed ring	
		Subring	
IPv4/IPv6 forwarding	IPv4 and unicast routes	Static IPv4 routes	None
		VRF	
		DHCP client	
		DHCP server	Only the S5710LI does not support this function.
		DHCP relay	
		DHCP policy VLAN	Only the S5700LI, S5700S-LI, and S5710LI do not support this function.
		URPF check	
		Routing policies	
		RIPv1/RIPv2	
		OSPF	Only the S5700LI, S5700S-LI, S5710LI, and S5700SI do not support this function.
		BGP	
		MBGP	
		IS-IS	
		PBR (redirection in a traffic policy)	
	Multicast	IGMPv1/v2/v3	Only the S5700LI,

Feature		Description	Difference
	routing features	PIM-DM	S5700S-LI, S5710LI, and S5700SI do not support this function.
		PIM-SM	
		PIM-SSM	
		MSDP	
		Multicast routing policies	
		RPF	
	IPv6 features	IPv6 protocol stack	None
		ND and ND snooping	
		DHCPv6 snooping	
		RIPng	Only the S5700LI, S5700S-LI, and S5710LI do not support this function.
		DHCPv6 server	
		DHCPv6 relay	
		OSPFv3	Only the S5700LI, S5700S-LI, S5710LI, and S5700SI do not support this function.
		BGP4+ & ISIS for IPv6	
		VRRP6	
		MLDv1 and MLDv2	
		PIM-DM for IPv6	
		PIM-SM for IPv6	
		PIM-SSM for IPv6	
Layer 2 multicast features	-	IGMPv1/v2/v3 snooping	None
		Fast leave	
		IGMP proxy	
		MLD snooping	
		Interface-based multicast traffic suppression	
		Inter-VLAN multicast replication	
		Controllable multicast	
MPLS & VPN	Basic MPLS functions	LDP	Only the S5710EI, S5700HI, and S5710HI support this function.
		Double MPLS labels	
		Mapping from DSCP to EXP priorities in MPLS packets	
		Mapping from 802.1p priorities to	

Feature		Description	Difference
	MPLS TE	EXP priorities in MPLS packets	
		MPLS TE tunnel	
		MPLS TE protection group	
	VPN	Multi-VPN-Instance CE (MCE)	Only the S5700LI, S5700S-LI, S5710LI, and S5700SI do not support this function.
		VLL in SVC, Martini, CCC, and Kompella modes	Only the S5710EI, S5700HI, and S5710HI support this function.
		VLL FRR	
		VPLS	
		MPLS L3VPN	
Device reliability	BFD	Basic BFD functions	Only the S5700LI, S5700S-LI, S5710LI, and S5700SI do not support this function.
		BFD for static route/IS-IS/OSPF/BGP	
		BFD for PIM	
		BFD for VRRP	
	Stacking	Stack card supporting the stacking function	Only the S5710LI, S5700SI (except S5700-26X-SI-12S-AC), S5700EI, and S5720EI support this function.
		Service interface supporting the stacking function	Only the S5700LI (except S5700-10P-LI-AC, S5700-10P-PWR-LI-AC, S5700-28P-LI-BAT, S5700-28P-LI-24S-BAT), S5710EI, and S5700HI support this function.
	Others	VRRP	Only the S5700LI, S5700S-LI, S5710LI, and S5700SI do not support this function.
Ethernet OAM	EFM OAM (802.3ah)	Automatic discovery	None
		Link fault detection	
		Link fault troubleshooting	
		Remote loopback	
	CFM	Software-level CCM	None

Feature		Description	Difference
	OAM (802.1ag)	MAC ping	Only the S5700HI supports this function.
		MAC trace	
		Hardware-level CCM	
	OAM association	Association between 802.1ag and 802.1ah	Only the S5700LI and S5700S-LI do not support this function.
		Association between 802.1ah and 802.1ag	
	Y.1731	Delay and variation measurement	None
		Hardware-level delay and variation measurement	Only the S5700HI supports this function.
QoS features	Traffic classifier	Traffic classification based on ACLs	None
		Traffic classification based on outer 802.1p priorities, inner VLAN IDs, outer VLAN IDs, source MAC addresses, and Ethernet types	
		Traffic classification based on IP address, and TCP/UDP ports	
		Traffic classification based on inner VLAN IDs	Only the S5700LI, S5700S-LI, S5710LI, and S5700SI do not support this function.
		Traffic classification based on inner 802.1p priorities	Only the S5700LI, S5700S-LI, S5710LI, and S5700SI do not support this function.
	Traffic behavior	Access control after traffic classification	None
		Traffic policing based on traffic classification	
		Re-marking based on traffic classification	
		Associating traffic classifiers with traffic behaviors	
	Traffic policing	Rate limit on inbound and outbound interfaces	Only the S5700EI
	Traffic shaping	Traffic shaping on interfaces and queues	
	Congestio	Simple Random Early Detection	

Feature		Description	Difference
	Congestion avoidance	(SRED)	supports this function.
		Weighted Random Early Detection (WRED)	Only the S5710EI, S5720EI, S5700HI, S5710HI, and S5720HI support this function.
		Tail drop	None
	Congestion management	Queue mapping	None
		Priority Queuing (PQ)	
		Deficit Round Robin (DRR)	
		PQ+DRR	
		Weighted Round Robin (WRR)	Only the S5720HI do not support this function.
		PQ+WRR	
	HQoS	Hierarchical Quality of Service	Only the S5720HI support this function.
Configuration and maintenance	Login and configuration management	Command line configuration	None
		Error message and help information in English and Chinese	
		Login through console and Telnet terminals	
		SSH1.5/SSH2	
		Send function and data communication between terminal users	
		Hierarchical user authority management and commands	
		SNMP-based NMS management (eSight)	
		Web page-based configuration and management	
		EasyDeploy (client)	
		EasyDeploy (commander)	Only the S5700LI, S5700S-LI, and S5710LI do not support this function.
		Easy deployment and maintenance	
	File system	File system	None
		Directory and file management	
		File upload and download through	

Feature		Description	Difference
		FTP, TFTP, SFTP, SCP, and FTPS	
		Store dual software images and configuration files	
	Monitoring and maintenance	Hardware monitoring	None
		Reporting alarms on abnormal device temperature	
		Second-time fault detection to prevent detection errors caused by instant interference	
		Version matching check	
		Dying gasp	Only the S5700LI (except S5700-52X-LI-48CS-AC, S5700-28P-LI-BAT, S5700-28P-LI-24S-BAT), S5700S-LI, S5700HI, S5710HI, and S5720EI support this function.
		Information center and unified management over logs, alarms, and debugging information	None
		Electronic labels, and command line query and backup	
		Virtual cable test (VCT)	
		User operation logs	
		Detailed debugging information for network fault diagnosis	
		Network test tools such as traceroute and ping commands	
		Port mirroring, flow mirroring, and remote mirroring	
		Energy saving	
	Version upgrade	Device software loading and online software loading	None
		BootROM online upgrade	
		Remote in-service upgrade	
		In-service patching	
Security	AAA	Local authentication and authorization	None
		RADIUS authentication,	

Feature		Description	Difference
		authorization, and accounting	
		HWTACACS authentication, authorization, and accounting	
	NAC	802.1x authentication	None
		MAC address authentication	
		Portal authentication	
		Hybrid authentication	Only the S5710LI does not support this function.
	ARP security	ARP packet rate limiting based on source MAC addresses	Only the S5710EI, S5720EI, S5700HI, and S5710HI support this function.
		ARP packet rate limiting based on source IP addresses, interfaces, and VLANs, and global ARP packet rate limiting	None
		ARP anti-spoofing	
		Association between ARP and STP	Only the S5700LI and S5700S-LI do not support this function.
		ARP gateway anti-collision	
		Dynamic ARP Inspection (DAI) and Static ARP Inspection (SAI)	None
		Egress ARP Inspection (EAI)	
	IP security	ICMP attack defense	None
		IP source guard	
	CPU attack defense	CPU attack defense	
	MFF	MAC-Forced Forwarding (MFF)	
	DHCP snooping	DHCP snooping	
		Option 82 function and dynamic rate limiting for DHCP packets	
	Attack defense	Defense against flood attacks without IP payloads, attacks from IGMP null payload packets, LAND attacks, Smurf attacks, and attacks from packets with invalid TCP flag bits	
		Defense against attacks from many	

Feature		Description	Difference
		fragments, attacks from many packets with offsets, attacks from repeated packet fragments, Tear Drop attacks, Syndrop attacks, NewTear attacks, Bonk attacks, Nesta attacks, Rose attacks, Fawx attacks, Ping of Death attacks, and Jolt attacks	
		Defense against TCP SYN flood attacks, UDP flood attacks (including Fraggle attacks and UDP diagnosis port attacks), and ICMP flood attacks	
Network management	-	Ping and traceroute	None
		NQA	
		Network Time Protocol (NTP)	
		IPCA	Only the S5720HI support this function.
		sFlow	The S5700SI and S5720HI does not support this function.
		NetStream	Only the S5710EI, S5700HI, S5710HI, and S5720HI support this function.
		SNMP v1/v2c/v3	None
		Standard MIB	
		HTTP	
		Hypertext Transfer Protocol Secure (HTTPS)	
		Remote network monitoring (RMON)	
		RMON2	Only the S5710EI, S5720EI, S5700HI, S5710HI, and S5720HI support this function.
WLAN	-	AP Management Specifications	Only the S5720HI support this function.
		Radio Management Specifications	
		WLAN Service Management Specifications	
		QOS	

Feature		Description	Difference
		WLAN Security Specifications	
		WLAN user management specifications	

5.2 Performance Specifications



NOTE

Unless otherwise specified, this document describes switch features and software performance of the latest version.

The specifications provided in this manual are tested in lab environment (for example, the tested device has been installed with a certain type of boards or only one protocol is run on the device). Results may differ from the listed specifications when you attempt to obtain the maximum values with multiple functions enabled on the device.

Table 5-2 Performance specifications of the S5700

Attribute	Service Feature	Specifications
Ethernet	MAC	• S5700-LI: 16K • S5700S-LI: 8K • S5710-LI: 16K • S5700-SI: 16K • S5700-EI: 32K • S5710-EI: 32K • S5720-EI: 32K (non-large MAC mode)/64K (large MAC mode) • S5700-HI: 32K • S5710-HI: 328K (non-large MAC mode)/456K (large MAC mode) • S5720-HI: 128K
	Maximum number of VLANs	4K
	Maximum number of link aggregation groups	• S5700-LI: 64 • S5700S-LI: 64 • S5710-LI: 28 • S5700-SI: 28 • S5700-EI: 64 • S5710-EI: 64 • S5720-EI: 128 • S5700-HI: 64 • S5710-HI: 64 • S5720-HI: 128

Attribute	Service Feature	Specifications
	Maximum number of member interfaces in a link aggregation group	- S5720-HI: 32 - Other models: 8
	Maximum number of dynamic ARP entries in the system	- S5700-LI: 256 - S5700S-LI: 256 - S5710-LI: 256 - S5700-SI: 2K - S5700-EI: 8K - S5710-EI: 16K - S5720-EI: 12K - S5700-HI: 16K - S5710-HI: 24K (Big MAC mode)/60K (Non-Big-MAC mode) - S5720-HI: 128K
QoS	Maximum number of outbound QoS queues on an interface	- S5720-HI: 8 CQs on each port, 64K FQs shared by all ports - Other models: 8
	CAR	- S5700-LI: 8 kbit/s - S5700S-LI: 8 kbit/s - S5710-LI: 64 kbps - S5700-SI: 64 kbit/s - S5700-EI: 64 kbit/s - S5710-EI: 8 kbit/s - S5720-EI: 8 kbit/s - S5700-HI: 8 kbit/s - S5710-HI: 8 kbit/s - S5720-HI: 1 kbit/s
ACL	ACLv4	Maximum number of IPv4 ACLs supported: - S5700-LI: 900 (400 on the S5700-10P-LI-AC and S5700-10P-PWR-LI-AC) - S5700S-LI: 400 - S5710-LI: 1024/256 - S5700-SI: 1024/256 - S5700-EI: 2816/256 - S5710-EI: 7168/512 - S5720-EI: 3K/0.5K - S5700-HI: 3072/256 - S5710-HI: 7168/512

Attribute	Service Feature	Specifications
		S5720-HI: a maximum of 64K NOTE The value 1024/256 indicates that 1024 ACLs are used for inbound traffic and 256 ACLs for outbound traffic. The value 400 indicates that the inbound and outbound traffic share 400 ACLs.
	ACLv6	Maximum number of IPv6 ACLs supported: - S5700-LI: 900 (400 on the S5700-10P-LI-AC and S5700-10P-PWR-LI-AC) - S5700S-LI: 400 - S5710-LI: 1024/256 - S5700-SI: 1024/256 - S5700-EI: 512/128 - S5710-EI: 3584/256 - S5720-EI: 1.5K/256 - S5700-HI: 1536/128 - S5710-HI: 3584/256 - S5720-HI: a maximum of 16K
MPLS	Maximum number of LSPs	- S5710-EI, S5700-HI, S5710-HI: 4K - Other models: do not support MPLS
L2 VPN	Total number of VLL connections supported	- S5710-EI, S5700-HI, S5710-HI: 1K - Other models: do not support VLL
	Number of VSIs	- S5710-EI, S5700-HI: 256 - S5710-HI: 1024 - Other models: do not support VSI
L3 VPN	Maximum number of VPN routes	- S5710-EI: 16K - S5700-HI: 12K - S5710-HI: 12K - Other models: do not support L3VPN
IP unicast	IPv4 Route capacity	- S5700-LI: 32 - S5700S-LI: 32 - S5710-LI: 16 - S5700-SI: 4K - S5700-EI: 12K - S5710-EI: 16K - S5720-EI: 16K - S5700-HI: 12K - S5710-HI:

Attribute	Service Feature	Specifications
		- Enhanced IPv4 mode: 16K - Default mode/Big MAC mode: 12K - Enhanced IPv6 mode: 8K - S5720-HI: 1M
	IPv6 Route capacity	- S5700-LI: 16 - S5700S-LI: 16 - S5710-LI: 16 - S5700-SI: 1K - S5700-EI: 6K - S5710-EI: 8K - S5720-EI: 8K - S5700-HI: 6K - S5710-HI: - Enhanced IPv4 mode: 8K (64-bit prefix) - Default mode/Big MAC mode: 6K (64-bit prefix) + 1K (128-bit prefix) - Enhanced IPv6 mode: 4K (64-bit prefix) + 2K (128-bit prefix) - S5720-HI: 64K
Multicast	Number of multicast groups on the switch (Maximum number of IPv4 multicast routes)	- S5700-LI: 1K - S5700S-LI: 1K - S5710-LI: 1K - S5700-SI: 1K - S5700-EI: 2K - S5710-EI: 2K - S5720-EI: 2K - S5700-HI: 2K - S5710-HI: 2K - S5720-HI: 4K
	Maximum number of multicast routes (Maximum number of L3 multicast forwarding entries)	- S5700-EI: 2K - S5710-EI: 2K - S5720-EI: 2K - S5700-HI: 2K - S5710-HI: 2K - S5720-HI: 32K - Other models: do not support L3 multicast forwarding

Attribute	Service Feature	Specifications
Reliability	BFD	Maximum number of BFD sessions: - S5700-EI: 128 - S5710-EI: 128 - S5720-EI: 128 - S5700-HI: 128 - S5710-HI: 128 - S5720-HI: 128 - Other models: do not support BFD
	RRPP	- Maximum number of RRPP instances: 64(48 on S5710LI) - Maximum number of RRPP rings: 16 - Maximum number of RRPP domains: 8
	VRRP	- Maximum number of VRRP groups: - S5700-EI: 64 - S5710-EI: 64 - S5720-EI: 64 - S5700-HI: 64 - S5710-HI: 64 - S5720-HI: 64 - Other models: do not support VRRP - Maximum number of virtual IP addresses in each VRRP backup group: - S5700-EI: 16 - S5710-EI: 16 - S5720-EI: 16 - S5700-HI: 16 - S5710-HI: 16 - S5720-HI: 16 - Other models: do not support VRRP
	Smart Link	- Maximum number of instances: 64(48 on S5710LI) - Maximum number of Smart Link groups: 16
	MSTP	Maximum number of MSTIs: 64 (48 on S5710LI)
	VBST	Number of protected VLANs on the device: 128

Attribute	Service Feature	Specifications
	SEP	Maximum number of segments: 16

6 Technical Specifications

About This Chapter

- 6.1 S5700-LI
- 6.2 S5700S-LI
- 6.3 S5710-LI
- 6.4 S5700-SI
- 6.5 S5700-EI
- 6.6 S5710-EI
- 6.7 S5720-EI
- 6.8 S5700-HI
- 6.9 S5710-HI
- 6.10 S5720-HI

6.1 S5700-LI

Table 6-1 lists specifications of the S5700-LI.

Table 6-1 Specifications of the S5700-LI

Item	Description
Memory (RAM)	256 MB
Flash	- V200R001: 64 MB - V200R002 and later versions: 200 MB
Mean time between failures (MTBF)	- S5700-28P-LI-AC: 49.69 years - S5700-28P-LI-DC: 49.69 years - S5700-52P-LI-AC: 39.26 years - S5700-52P-LI-DC: 39.26 years

Item		Description
		- S5700-28P-PWR-LI-AC: 44.24 years - S5700-52P-PWR-LI-AC: 35.70 years - S5700-28X-LI-AC: 68.95 years - S5700-28X-LI-DC: 68.95 years - S5700-52X-LI-AC: 61.86 years - S5700-52X-LI-DC: 61.86 years - S5700-28X-PWR-LI-AC: 61.53 years - S5700-52X-PWR-LI-AC: 40.72 years - S5700-10P-PWR-LI-AC: 36.89 years - S5700-10P-LI-AC: 44.41 years - S5700-28X-LI-24S-AC: 89.91 years - S5700-28X-LI-24S-DC: 89.91 years - S5701-28X-LI-AC: 70.32 years - S5701-28X-LI-24S-AC: 89.91 years - S5700-52X-LI-48CS-AC: 92.57 years - S5700-28TP-LI-AC: 65.66 years - S5700-28TP-PWR-LI-AC: 46.2 years - S5701-28TP-PWR-LI-AC: 45.91 years
Mean time to repair (MTTR)		2 hours
Availability		> 0.99999
Surge protection	Service port protection	Combo electrical ports on the CSFP switch: ± 2 kV in common mode; electrical ports on the other models: ± 6 kV in common mode
	Power supply protection	- DC: ± 1 kV in differential mode; ± 2 kV in common mode - AC: ± 6 kV in differential mode; ± 6 kV in common mode
Dimensions (W x D x H)		- S5700-28P-LI-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5700-28P-LI-DC: 442.0 mm x 220.0 mm x 43.6 mm - S5700-52P-LI-AC: 442.0 mm x 310.0 mm x 43.6 mm - S5700-52P-LI-DC: 442.0 mm x 310.0 mm x 43.6 mm - S5700-28P-PWR-LI-AC: 442.0 mm x 310.0 mm x 43.6 mm - S5700-52P-PWR-LI-AC: 442.0 mm x 310.0 mm x 43.6 mm - S5700-28X-LI-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5700-28X-LI-DC: 442.0 mm x 220.0 mm x 43.6 mm - S5700-52X-LI-AC: 442.0 mm x 310.0 mm x 43.6 mm - S5700-52X-LI-DC: 442.0 mm x 310.0 mm x 43.6 mm - S5700-28X-PWR-LI-AC: 442.0 mm x 310.0 mm x 43.6 mm

Item		Description
		- S5700-52X-PWR-LI-AC: 442.0 mm x 310.0 mm x 43.6 mm - S5700-10P-PWR-LI-AC: 320.0 mm x 220.0 mm x 43.6 mm - S5700-10P-LI-AC: 250.0 mm x 180.0 mm x 43.6 mm - S5700-28X-LI-24S-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5700-28X-LI-24S-DC: 442.0 mm x 220.0 mm x 43.6 mm - S5701-28X-LI-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5701-28X-LI-24S-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5700-52X-LI-48CS-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5700-28TP-LI-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5700-28TP-PWR-LI-AC: 442.0 mm x 310.0 mm x 43.6 mm - S5701-28TP-PWR-LI-AC: 442.0 mm x 310.0 mm x 43.6 mm
Weight		≤ 5 kg
Stack port		S5700-P-LI (with GE uplink ports): - V200R001: The last two uplink 1000Base-X optical ports can be used as stack ports. - V200R002 and later versions: The four uplink 1000Base-X optical ports can be used as stack ports. S5700-TP-LI (with GE uplink ports): The two uplink 1000Base-X optical ports (not combo) can be used as stack ports. S5700-X-LI (with 10GE uplink ports): The four uplink 10GE SFP+ optical ports can be used as stack ports. NOTE The S5700-10P-PWR-LI-AC and S5700-10P-LI-AC do not support stacking.
Maximum stack bandwidth (bidirectional)		S5700-P-LI (with GE uplink ports): - V200R001: 10 Gbit/s (using 1 m passive SFP+ cables); 20 Gbit/s (using 10 m active SFP+ cables) - V200R002: 20 Gbit/s (using 1 m passive SFP+ cables); 40 Gbit/s (using 10 m active SFP+ cables) - V200R003 and later versions: 20 Gbit/s (using 1 m passive SFP+ cables, stack optical module, or 3 m/10 m AOC cables); 40 Gbit/s (using 10 m active SFP+ cables) S5700-TP-LI (with GE uplink ports): 10 Gbit/s (using 1 m passive SFP+ cables, stack optical module, or 3 m/10 m AOC cables); 20 Gbit/s (using 10 m active SFP+ cables) S5700-X-LI (with 10GE uplink ports): 80 Gbit/s
RPS		All S5700-LI series switches except the S5700-10P-PWR-LI-AC and S5700-10P-LI-AC support RPS.
PoE		The PWR series support PoE.
Input DC voltage	Rated input voltage range	-48 V DC to -60 V DC

Item		Description
	Maximum voltage range	-36 V DC to -72 V DC
Input AC voltage	Rated input voltage range	100 V AC to 240 V AC, 50/60 Hz
	Maximum voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz
Maximum system power consumption (100% throughput, 100% PoE loads, full speed of fans)		• S5700-28P-LI-AC: 24 W • S5700-28P-LI-DC: 24 W • S5700-52P-LI-AC: 48.4 W • S5700-52P-LI-DC: 48.3 W • S5700-28P-PWR-LI-AC: 436.5 W (system power consumption: 66.5 W, PoE: 370 W) • S5700-52P-PWR-LI-AC: 464.5 W (system power consumption: 94.5 W, PoE: 370 W) • S5700-28X-LI-AC: 41 W • S5700-28X-LI-DC: 42 W • S5700-52X-LI-AC: 61 W • S5700-52X-LI-DC: 60 W • S5700-28X-PWR-LI-AC: 448.8 W (system power consumption: 78.8 W, PoE: 370 W) • S5700-52X-PWR-LI-AC: 479.3 W (system power consumption: 109.3 W, PoE: 370 W) • S5700-10P-PWR-LI-AC: 142.4 W (system power consumption: 18.4 W, PoE: 124 W) • S5700-10P-LI-AC: 11.5 W • S5700-28X-LI-24S-AC: 60 W • S5700-28X-LI-24S-DC: 57 W • S5701-28X-LI-AC: 39.5 W • S5701-28X-LI-24S-AC: 60 W • S5700-52X-LI-48CS-AC: 79.93 W • S5700-28TP-LI-AC: 26.4 W • S5700-28TP-PWR-LI-AC: 469.7 W (system power consumption: 99.7 W, PoE: 370 W) • S5701-28TP-PWR-LI-AC: 238.7 W (system power consumption: 53.9 W, PoE: 184.8 W)
Temper	Operating	The operating temperature of the S5700-10P-PWR-LI-AC, S5700-28X-LI-24S-AC, S5700-28X-LI-24S-DC,

Item		Description
ature	temperat ure	S5701-28X-LI-24S-AC, S5700-52X-LI-48CS-AC, and S5700-10P-LI-AC is 0 °C to +45 °C at an altitude between 0 m and 1800 m. The operating temperature of the other S5700-LI models is 0 °C to +50 °C at an altitude between 0 m and 1800 m. NOTE When the altitude is between 1800 m and 5000 m, the highest operating temperature reduces 1 °C every time the altitude increases 220 m.
	Storage temperat ure	-40 °C to +70 °C
Noise under normal temperature (27 °C, sound power)		• S5700-28P-LI-AC: 0 (The device has no fans.) • S5700-28P-LI-DC: 0 (The device has no fans.) • S5700-52P-LI-AC: less than 43.8 dBA • S5700-52P-LI-DC: less than 43.8 dBA • S5700-28P-PWR-LI-AC: less than 49.2 dBA • S5700-52P-PWR-LI-AC: less than 49.2 dBA • S5700-28X-LI-AC: less than 44.9 dBA • S5700-28X-LI-DC: less than 44.9 dBA • S5700-52X-LI-AC: less than 47.9 dBA • S5700-52X-LI-DC: less than 47.9 dBA • S5700-28X-PWR-LI-AC: less than 49.5 dBA • S5700-52X-PWR-LI-AC: less than 50.2 dBA • S5700-10P-PWR-LI-AC: 0 (The device has no fans.) • S5700-10P-LI-AC: 0 (The device has no fans.) • S5700-28X-LI-24S-AC: less than 49.6 dBA • S5700-28X-LI-24S-DC: less than 49.6 dBA • S5701-28X-LI-AC: less than 45.8 dBA • S5701-28X-LI-24S-AC: less than 49.6 dBA • S5700-52X-LI-48CS-AC: less than 67.3 dBA • S5700-28TP-LI-AC: less than 39.5 dBA • S5700-28TP-PWR-LI-AC: less than 48 dBA • S5701-28TP-PWR-LI-AC: less than 45 dBA
Relative humidity		5% RH to 95% RH, noncondensing
Operating altitude		• S5700-28P-LI-DC: 0 m to 3000 m • S5700-52P-LI-DC, S5700-28X-LI-DC, S5700-52X-LI-DC, S5700-28X-LI-24S-DC: 0 m to 2000 m • Others: 0 m to 5000 m
EMC		• CISPR22 Class A • CISPR24 • EN55022 Class A

Item	Description
	• EN50024 • ETSI EN 300 386 Class A • CFR 47 FCC Part 15 Class A • ICES 003 Class A • AS/NZS CISPR22 Class A • IEC61000-4-2 • ITU-T K 20 • ITU-T K 44
Environmental standards	• RoHS • REACH • WEEE
Safety	• IEC 60950-1 • EN 60950-1/A11/A12 • UL 60950-1 • CSA C22.2 No 60950-1 • AS/NZS 60950.1
Laser Safety	• IEC60825-1 • IEC60825-2 • EN60825-1 • EN60825-2

6.2 S5700S-LI

Table 6-2 lists specifications of the S5700S-LI.

Table 6-2 Specifications of the S5700S-LI

Item	Description
Memory (RAM)	256 MB
Flash	• V200R001: 64 MB • V200R002 and later versions: 200 MB
Mean time between failures (MTBF)	• S5700S-28P-LI-AC: 49.69 years • S5700S-52P-LI-AC: 39.26 years
Mean time to repair (MTTR)	2 hours
Availability	> 0.99999

Item		Description
Surge protection	Service port protection	Common mode: ± 6 kV
	Power supply protection	± 6 kV in differential mode; ± 6 kV in common mode
Dimensions (W x D x H)		- S5700S-28P-LI-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5700S-52P-LI-AC: 442.0 mm x 310.0 mm x 43.6 mm
Weight		≤ 5 kg
Stack port		Not supported
RPS		Supported
PoE		Not supported
Input AC voltage	Rated input voltage range	100 V AC to 240 V AC, 50/60 Hz
	Maximum input voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz
Maximum power consumption (100% throughput, full speed of fans)		- S5700S-28P-LI-AC: 24 W - S5700S-52P-LI-AC: 48.4 W
Temperature	Operating temperature	0 °C to +50 °C (at 0 m to 1800 m altitude) NOTE When the altitude is between 1800 m and 5000 m, the highest operating temperature reduces 1 °C every time the altitude increases 220 m.
	Storage temperature	-40 °C to +70 °C
Noise under normal temperature (27 °C, sound power)		- S5700S-28P-LI-AC: 0 (The device has no fans.) - S5700S-52P-LI-AC: less than 43.8 dBA
Relative humidity		5% RH to 95% RH, noncondensing
Altitude		0 m to 5000 m
EMC		- CISPR22 Class A - CISPR24 - EN55022 Class A

Item	Description
	• EN50024 • ETSI EN 300 386 Class A • CFR 47 FCC Part 15 Class A • ICES 003 Class A • AS/NZS CISPR22 Class A • IEC61000-4-2 • ITU-T K 20 • ITU-T K 44
Environmental standards	• RoHS • REACH • WEEE
Security	• IEC 60950-1 • EN 60950-1/A11/A12 • UL 60950-1 • CSA C22.2 No 60950-1 • AS/NZS 60950.1
Laser safety	• IEC60825-1 • IEC60825-2 • EN60825-1 • EN60825-2

6.3 S5710-LI

Table 6-3 lists specifications of the S5710-LI.

Table 6-3 Specifications of the S5710-LI

Item	Description
Memory (RAM)	256 MB
Flash	32 MB
Mean time between failures (MTBF)	• S5710-28C-LI: 53.7 years when a 2x10GE card is configured; 74.9 years when a 4xGE card is configured; 29.58 years when a 4x10GE card is configured • S5710-52C-LI: 51.3 years when a 2x10GE card is configured; 70.3 years when a 4xGE card is configured; 28.58 years when a 4x10GE card is configured • S5710-28C-PWR-LI: 53.6 years when a 2x10GE card is configured; 74.6 years when a 4xGE card is configured; 25.68 years when a 4x10GE card is configured

Item		Description
		S5710-52C-PWR-LI: 50.4 years when a 2x10GE card is configured; 68.6 years when a 4xGE card is configured; 35.58 years when a 4x10GE card is configured
Mean time to repair (MTTR)		2 hours
Availability		> 0.99999
Surge protection	Service port protection	- Non-PoE models: ± 2 kV in common mode - PoE models: ± 1 kV in common mode
	Power supply protection	- Non-PoE switch: - AC: ± 6 kV in differential mode; ± 6 kV in common mode - DC: ± 1 kV in differential mode; ± 2 kV in common mode - PoE switch: ± 2 kV in differential mode; ± 4 kV in common mode
Dimensions (W x D x H)		442.0 mm x 420.0 mm x 43.6 mm
Weight	Fully loaded	≤ 8.5 kg
	Empty chassis	≤ 5 kg
Stack port		Two stack ports available on each stack card
Maximum stack bandwidth (bidirectional)		48 Gbit/s
RPS		Not supported
PoE		Supported by PWR models
DC input voltage	Rated voltage range	-48 V DC to -60 V DC
	Maximum voltage range	-36 V DC to -72 V DC
AC input voltage	Rated voltage range	100 V AC to 240 V AC, 50/60 Hz
	Maximum voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz

Item		Description
Maximum power consumption (100% throughput, 100% PoE loads, full speed of fans)		• S5710-28C-LI: 56 W • S5710-52C-LI: 78 W • S5710-52C-PWR-LI: 917 W (system power consumption: 177 W; PoE: 740 W) • S5710-28C-PWR-LI: 836 W (system power consumption: 96 W; PoE: 740 W)
Temperature	Operating temperature	0 °C to 50 °C
	Storage temperature	-40 °C to +70 °C
Noise under normal temperature (27 °C, sound power)		• S5710-28C-LI: < 41 dBA • S5710-52C-LI: < 41 dBA • S5710-52C-PWR-LI: < 45 dBA • S5710-28C-PWR-LI: < 45 dBA
Relative humidity		5% RH to 95% RH, noncondensing
Operating altitude		• Non-PoE switch: – AC: 0 m to 5000 m – DC: 0 m to 2000 m • PoE switch: 0 m to 5000 m
EMC		• CISPR22 Class A • CISPR24 • EN55022 Class A • EN50024 • ETSI EN 300 386 Class A • CFR 47 FCC Part 15 Class A • ICES 003 Class A • AS/NZS CISPR22 Class A • IEC61000-4-2 • ITU-T K 20 • ITU-T K 44
Environmental standards		• RoHS • REACH • WEEE
Safety		• IEC 60950-1 • EN 60950-1/A11/A12 • UL 60950-1

Item	Description
	- CSA C22.2 No 60950-1 - AS/NZS 60950.1
Laser Safety	- IEC60825-1 - IEC60825-2 - EN60825-1 - EN60825-2

6.4 S5700-SI

Table 6-4 lists specifications of the S5700-SI.

Table 6-4 Specifications of the S5700-SI

Item	Description
Memory (RAM)	256 MB
Flash	S5700-26X-SI-12S-AC: 200 MB, others: 32 MB
Mean time between failures (MTBF)	- S5700-48TP-SI-AC: 34 years - S5700-48TP-SI-DC: 34 years - S5700-24TP-SI-AC: 37 years - S5700-24TP-SI-DC: 37 years - S5700-48TP-PWR-SI: 71.7 years - S5700-24TP-PWR-SI: 84.3 years - S5700-28C-PWR-SI: 53.6 years when a 2x10GE card is configured; 74.6 years when a 4xGE front card is configured; 25.68 years when a 4x10GE front card is configured - S5700-52C-PWR-SI: 50.4 years when a 2x10GE card is configured; 68.6 years when a 4xGE front card is configured; 35.58 years when a 4x10GE front card is configured - S5700-28C-SI: 53.7 years when a 2x10GE card is configured; 74.9 years when a 4xGE front card is configured; 29.58 years when a 4x10GE front card is configured - S5700-52C-SI: 51.3 years when a 2x10GE card is configured; 70.3 years when a 4xGE front card is configured; 28.58 years when a 4x10GE front card is configured - S5700-26X-SI-12S-AC: 91.74 years
Mean time to repair (MTTR)	2 hours
Availability	> 0.99999
Surge	Service
	Non-PoE switch: S5700-26X-SI-12S-AC: ± 6 kV in common

Item		Description
protection	port protection	mode; others: ± 2 kV in common mode PoE switch: ± 1 kV in common mode
	Power supply protection	- Non-PoE switch: - AC: ± 6 kV in differential mode; ± 6 kV in common mode - DC: ± 1 kV in differential mode; ± 2 kV in common mode - PoE switch: ± 2 kV in differential mode; ± 4 kV in common mode
Dimensions (W x D x H)		- S5700-48TP-SI-AC: 442.0 mm x 420.0 mm x 43.6 mm - S5700-48TP-SI-DC: 442.0 mm x 420.0 mm x 43.6 mm - S5700-24TP-SI-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5700-24TP-SI-DC: 442.0 mm x 220.0 mm x 43.6 mm - S5700-48TP-PWR-SI: 442.0 mm x 420.0 mm x 43.6 mm - S5700-52C-PWR-SI: 442.0 mm x 420.0 mm x 43.6 mm - S5700-24TP-PWR-SI: 442.0 mm x 420.0 mm x 43.6 mm - S5700-28C-PWR-SI: 442.0 mm x 420.0 mm x 43.6 mm - S5700-28C-SI: 442.0 mm x 420.0 mm x 43.6 mm - S5700-52C-SI: 442.0 mm x 420.0 mm x 43.6 mm - S5700-26X-SI-12S-AC: 442.0 mm x 310.0 mm x 43.6 mm
Weight	Fully loaded	≤ 8.5 kg
	Empty loaded	≤ 5 kg
Stack port		Two stack ports available on each stack card NOTE The S5700-26X-SI-12S-AC does not support stacking.
Maximum stack bandwidth (bidirectional)		48 Gbit/s
RPS		Only the S5700-26X-SI-12S-AC supports the RPS.
PoE		The PWR series support PoE.
Input DC voltage	Rated input voltage range	-48 V DC to -60 V DC
	Maximum voltage range	-36 V DC to -72 V DC
Input AC	Rated input voltage	100 V AC to 240 V AC, 50/60 Hz

Item		Description
voltage	range	
	Maximum voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz
Maximum system power consumption (100% throughput, 100% PoE loads, full speed of fans)		• S5700-48TP-SI-AC: 64 W • S5700-48TP-SI-DC: 64 W • S5700-24TP-SI-AC: 40 W • S5700-24TP-SI-DC: 40 W • S5700-48TP-PWR-SI: 907 W (system power consumption: 167 W; PoE: 740 W) • S5700-52C-PWR-SI: 917 W (system power consumption: 177 W; PoE: 740 W) • S5700-24TP-PWR-SI: 455 W (system power consumption: 85 W; PoE: 370 W) • S5700-28C-PWR-SI: 466 W (system power consumption: 96 W; PoE: 370 W) • S5700-28C-SI: 56 W • S5700-52C-SI: 78 W • S5700-26X-SI-12S-AC: 42.3 W
Temperature	Operating temperature	S5700-26X-SI-12S-AC: 0 °C to 50 °C (at 0 m to 1800 m altitude); others: 0 °C to 50 °C NOTE When the altitude is between 1800 m and 4000 m, the highest operating temperature reduces 1 °C every time the altitude increases 220 m.
	Storage temperature	-40 °C to +70 °C
Noise under normal temperature (27 °C, sound power)		• S5700-48TP-SI-AC: 0 • S5700-48TP-SI-DC: 0 • S5700-24TP-SI-AC: 0 • S5700-24TP-SI-DC: 0 • S5700-48TP-PWR-SI: less than 51 dBA • S5700-52C-PWR-SI: less than 45 dBA • S5700-24TP-PWR-SI: less than 51 dBA • S5700-28C-PWR-SI: less than 45 dBA • S5700-28C-SI: less than 41 dBA • S5700-52C-SI: less than 41 dBA • S5700-26X-SI-12S-AC: less than 56.3 dBA
Relative humidity		5% RH to 95% RH, noncondensing
Operating altitude		• Non-PoE switch:

Item	Description
	– AC: 0 m to 5000 m – DC: 0 m to 2000 m • PoE switch: 0 m to 5000 m
EMC	• CISPR22 Class A • CISPR24 • EN55022 Class A • EN50024 • ETSI EN 300 386 Class A • CFR 47 FCC Part 15 Class A • ICES 003 Class A • AS/NZS CISPR22 Class A • IEC61000-4-2 • ITU-T K 20 • ITU-T K 44
Environmental standards	• RoHS • REACH • WEEE
Security	• IEC 60950-1 • EN 60950-1/A11/A12 • UL 60950-1 • CSA C22.2 No 60950-1 • AS/NZS 60950.1
Laser safety	• IEC60825-1 • IEC60825-2 • EN60825-1 • EN60825-2

6.5 S5700-EI

[Table 6-5](#) lists specifications of the S5700-EI.

Table 6-5 Specifications of the S5700-EI

Item	Description
Memory (RAM)	256 MB
Flash	32 MB
Mean time between	• S5700-28C-EI: 53.11 years when a 2x10GE card is configured;

Item		Description
failures (MTBF)		68.33 years when a 4xGE front card is configured; 25.52 years when a 4x10GE front card is configured - S5700-52C-EI: 46.05 years when a 2x10GE card is configured; 57.08 years when a 4xGE front card is configured; 25.58 years when a 4x10GE front card is configured - S5700-28C-EI-24S: 52.80 years when no card is configured; 41.33 years when a 2x10GE card is configured; 50.00 years when a 4xGE front card is configured; 26.52 years when a 4x10GE front card is configured - S5700-28C-PWR-EI: 52 years when a 2x10GE card is configured; 55.4 years when a 4xGE front card is configured; 32.92 years when a 4x10GE front card is configured - S5700-52C-PWR-EI: 44.8 years when a 2x10GE card is configured; 66.8 years when a 4xGE front card is configured; 29.89 years when a 4x10GE front card is configured
Mean time to repair (MTTR)		2 hours
Availability		> 0.99999
Surge protection	Service port protection	- Non-PoE switch: ± 2 kV in common mode - PoE switch: ± 1 kV in common mode
	Power supply protection	- Non-PoE switch: - AC: ± 6 kV in differential mode; ± 6 kV in common mode - DC: ± 1 kV in differential mode; ± 2 kV in common mode - PoE switch: ± 2 kV in differential mode; ± 4 kV in common mode
Dimensions (W x D x H)		442.0 mm x 420.0 mm x 43.6 mm
Weight	Fully loaded	≤ 8.5 kg
	Empty loaded	≤ 5 kg
Stack port		Two stack ports available on each stack card
Maximum stack bandwidth (bidirectional)		48 Gbit/s
RPS		Not supported
PoE		The PWR series support PoE.
Input DC voltage	Rated input voltage range	-48 V DC to -60 V DC

Item		Description
	Maximum voltage range	-36 V DC to -72 V DC
Input AC voltage	Rated input voltage range	100 V AC to 240 V AC, 50/60 Hz
	Maximum voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz
Maximum system power consumption (100% throughput, 100% PoE loads, full speed of fans)		- S5700-28C-EI: 60 W - S5700-52C-EI: 88 W - S5700-28C-EI-24S: 63 W - S5700-28C-PWR-EI: 842 W (system power consumption: 102 W; PoE: 740 W) - S5700-52C-PWR-EI: 930 W (system power consumption: 190 W; PoE: 740 W)
Temperature	Operating temperature	0 °C to +50 °C
	Storage temperature	-40 °C to +70 °C
Noise under normal temperature (27 °C, sound power)		- S5700-28C-EI: less than 41 dBA - S5700-52C-EI: less than 41 dBA - S5700-28C-EI-24S: less than 41 dBA - S5700-28C-PWR-EI: less than 45 dBA - S5700-52C-PWR-EI: less than 45 dBA
Relative humidity		5% RH to 95% RH, noncondensing
Operating altitude		- Non-PoE switch: - AC: 0 m to 5000 m - DC: 0 m to 2000 m - PoE switch: 0 m to 5000 m
EMC		- CISPR22 Class A - CISPR24 - EN55022 Class A - EN50024 - ETSI EN 300 386 Class A

Item	Description
	- CFR 47 FCC Part 15 Class A - ICES 003 Class A - AS/NZS CISPR22 Class A - IEC61000-4-2 - ITU-T K 20 - ITU-T K 44
Environmental standards	- RoHS - REACH - WEEE
Security	- IEC 60950-1 - EN 60950-1/A11/A12 - UL 60950-1 - CSA C22.2 No 60950-1 - AS/NZS 60950.1
Laser safety	- IEC60825-1 - IEC60825-2 - EN60825-1 - EN60825-2

6.6 S5710-EI

Table 6-6 lists specifications of the S5710-EI.

Table 6-6 Specifications of the S5710-EI

Item	Description
Memory (RAM)	512 MB
Flash	- V200R001: 64 MB - V200R002 and later versions: 200 MB
Mean time between failures (MTBF)	- S5710-28C-EI: 55.98 years when a 8xGE optical interface card is configured; 54.93 years when a 8xGE electrical interface card is configured; 52.69 years when a 2x10GE interface card is configured - S5710-52C-EI: 45.57 years when a 8xGE optical interface card is configured; 44.85 years when a 8xGE electrical interface card is configured; 43.33 years when a 2x10GE interface card is configured - S5710-28C-PWR-EI-AC: 51.28 years when a 8xGE optical interface card is configured; 50.31 years when a 8xGE electrical

Item		Description
		interface card is configured; 48.25 years when a 2x10GE interface card is configured - S5710-52C-PWR-EI-AC: 36.86 years when a 8xGE optical interface card is configured; 36.35 years when a 8xGE electrical interface card is configured; 35.27 years when a 2x10GE interface card is configured - S5710-52C-PWR-EI: 36.86 years when a 8xGE optical interface card is configured; 36.35 years when a 8xGE electrical interface card is configured; 35.27 years when a 2x10GE interface card is configured
Mean time to repair (MTTR)		2 hours
Availability		> 0.99999
Surge protection	Service port protection	- Non-PoE switch: ± 2 kV in common mode - PoE switch: ± 1 kV in common mode
	Power supply protection	- DC: ± 1 kV in differential mode; ± 2 kV in common mode - AC: - S5710-28C-EI: ± 6 kV in differential mode; ± 6 kV in common mode - S5710-52C-EI: ± 6 kV in differential mode; ± 6 kV in common mode - S5710-28C-PWR-EI-AC: ± 6 kV in differential mode; ± 6 kV in common mode - S5710-52C-PWR-EI-AC: ± 6 kV in differential mode; ± 6 kV in common mode - S5710-52C-PWR-EI (using 580 W power modules): ± 6 kV in differential mode; ± 6 kV in common mode - S5710-52C-PWR-EI (using 1150 W power modules): ± 2 kV in differential mode; ± 4 kV in common mode
Dimensions (W x D x H)		442.0 mm x 420.0 mm x 43.6 mm When a 1150 W power module is installed, it extrudes out from the chassis. Therefore, the total depth of the switch changes to 507.3 mm.
Weight	Fully loaded	≤ 10 kg
	Empty	≤ 6 kg
Stack port		Four 10GE SFP+ ports or two 10GE SFP+ rear card ports
Maximum stack bandwidth (bidirectional)		- V200R001: 80 Gbit/s - V200R002 and later versions: 160 Gbit/s

Item		Description
RPS		Not supported
PoE		The PWR series support PoE.
Input DC voltage	Rated input voltage range	-48 V DC to -60 V DC
	Maximum voltage range	-36 V DC to -72 V DC
Input AC voltage	Rated input voltage range	100 V AC to 240 V AC, 50/60 Hz
	Maximum voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz
Maximum system power consumption (100% throughput, 100% PoE loads, full speed of fans)		• S5710-28C-EI: 98 W • S5710-52C-EI: 146.9 W • S5710-28C-PWR-EI-AC: – Without card: 920 W (system power consumption: 180 W, PoE: 740 W) – With two 8xGE electrical interface cards: 934 W (system power consumption: 194 W, PoE: 740 W) – With two 8xGE optical interface cards: 942 W (system power consumption: 202 W, PoE: 740 W) – With two 2x10GE optical interface cards: 941 W (system power consumption: 201 W, PoE: 740 W) • S5710-52C-PWR-EI, S5710-52C-PWR-EI-AC (with two 580 W power modules configured): – Without card: 1023 W (system power consumption: 283 W, PoE: 740 W) – With two 8xGE electrical interface cards: 1035 W (system power consumption: 295 W, PoE: 740 W) – With two 8xGE optical interface cards: 1043 W (system power consumption: 303 W, PoE: 740 W) – With two 2x10GE optical interface cards: 1040 W (system power consumption: 300 W, PoE: 740 W) • S5710-52C-PWR-EI (with two 1150 W power modules configured): – Without card: 1605 W (system power consumption: 165 W, PoE: 1440 W) – With two 8xGE electrical interface cards: 1625 W (system

Item		Description
		power consumption: 185 W, PoE: 1440 W) – With two 8xGE optical interface cards: 1635 W (system power consumption: 195 W, PoE: 1440 W) – With two 2x10GE optical interface cards: 1633 W (system power consumption: 193 W, PoE: 1440 W)
Temperature	Operating temperature	0 °C to +50 °C (at 0 m to 1800 m altitude) NOTE When the altitude is between 1800 m and 5000 m, the highest operating temperature reduces 1 °C every time the altitude increases 220 m.
	Storage temperature	-40 °C to +70 °C
Noise under normal temperature (27 °C, sound power)		• S5710-28C-EI: less than 53.9 dBA • S5710-52C-EI: less than 53.9 dBA • S5710-28C-PWR-EI-AC: less than 59.7 dBA • S5710-52C-PWR-EI-AC: less than 60 dBA • S5710-52C-PWR-EI: less than 60 dBA
Relative humidity		5% RH to 95% RH, noncondensing
Operating altitude		• S5710-28C-EI: 0 m to 5000 m when AC power module is configured; 0 m to 2000 m when DC power module is configured • S5710-52C-EI: 0 m to 5000 m when AC power module is configured; 0 m to 2000 m when DC power module is configured • S5710-28C-PWR-EI-AC: 0 m to 5000 m • S5710-52C-PWR-EI-AC: 0 m to 5000 m • S5710-52C-PWR-EI: 0 m to 5000 m
EMC		• CISPR22 Class A • CISPR24 • EN55022 Class A • EN50024 • ETSI EN 300 386 Class A • CFR 47 FCC Part 15 Class A • ICES 003 Class A • AS/NZS CISPR22 Class A • IEC61000-4-2 • ITU-T K 20 • ITU-T K 44
Environmental standards		• RoHS • REACH • WEEE
Safety		• IEC 60950-1

Item	Description
	• EN 60950-1/A11/A12 • UL 60950-1 • CSA C22.2 No 60950-1 • AS/NZS 60950.1
Laser safety	• IEC60825-1 • IEC60825-2 • EN60825-1 • EN60825-2

6.7 S5720-EI

Table 6-7 lists specifications of the S5720-EI series switches.

Table 6-7 Specifications of the S5720-EI series switches

Item	Description
Memory (RAM)	2 GB
Flash	340 MB
Mean time between failures (MTBF)	• S5720-36C-EI-AC: 80.05 years without card; 73.65 years when a 2x10GE SFP+ card is configured; 71.58 years when a 2x10GE RJ45 card is configured; 71.74 years when a stack card is configured • S5720-56C-EI-AC: 71.18 years without card; 66.07 years when a 2x10GE SFP+ card is configured; 66.40 years when a 2x10GE RJ45 card is configured; 64.53 years when a stack card is configured • S5720-36C-EI-28S-AC: 85.45 years without card; 78.2 years when a 2x10GE SFP+ card is configured; 75.87 years when a 2x10GE RJ45 card is configured; 76.05 years when a stack card is configured • S5720-56C-EI-48S-AC: 73.91 years without card; 68.42 years when a 2x10GE SFP+ card is configured; 66.63 years when a 2x10GE RJ45 card is configured; 66.77 years when a stack card is configured • S5720-36C-PWR-EI-AC: 60.72 years without card; 56.97 years when a 2x10GE SFP+ card is configured; 55.72 years when a 2x10GE RJ45 card is configured; 55.82 years when a stack card is configured • S5720-56C-PWR-EI-AC: 51.34 years without card; 48.63 years when a 2x10GE SFP+ card is configured; 47.71 years when a 2x10GE RJ45 card is configured; 47.79 years when a stack card is configured

Item		Description
		- S5720-56C-PWR-EI-AC1: 51.34 years without card; 48.63 years when a 2x10GE SFP+ card is configured; 47.71 years when a 2x10GE RJ45 card is configured; 47.79 years when a stack card is configured - S5720-36PC-EI-AC: 80.05 years without card; 73.65 years when a 2x10GE SFP+ card is configured; 71.58 years when a 2x10GE RJ45 card is configured; 71.74 years when a stack card is configured - S5720-56PC-EI-AC: 71.18 years without card; 66.07 years when a 2x10GE SFP+ card is configured; 66.40 years when a 2x10GE RJ45 card is configured; 64.53 years when a stack card is configured - S5720-32X-EI-AC: 80.32 years - S5720-52X-EI-AC: 73.12 years - S5720-50X-EI-AC: 74.31 years - S5720-32X-EI-24S-AC: 82.54 years - S5720-50X-EI-46S-AC: 67.59 years - S5720-32P-EI-AC: 80.32 years - S5720-52P-EI-AC: 73.12 years
Mean time to repair (MTTR)		2 hours
Availability		> 0.99999
Surge protection	Service port protection	Common mode: ± 6 kV
	Power supply protection	- Non-PoE switch: - DC: ± 1 kV in differential mode; ± 2 kV in common mode - AC: ± 6 kV in differential mode; ± 6 kV in common mode - PoE switch: - S5720-36C-PWR-EI-AC (using 500 W AC power modules): ± 6 kV in differential mode; ± 6 kV in common mode - S5720-36C-PWR-EI-AC (using 650 W DC power modules): ± 2 kV in differential mode; ± 4 kV in common mode - S5720-56C-PWR-EI-AC (using 500 W AC power modules): ± 6 kV in differential mode; ± 6 kV in common mode - S5720-56C-PWR-EI-AC (using 650 W DC power modules): ± 2 kV in differential mode; ± 4 kV in common mode - S5720-36PC-EI-AC: ± 2 kV in differential mode; ± 4 kV in common mode
Dimensions (W x D x H)		- S5720-36C-EI-AC: 442.0 mm x 420.0 mm x 43.6 mm - S5720-56C-EI-AC: 442.0 mm x 420.0 mm x 43.6 mm - S5720-36C-EI-28S-AC: 442.0 mm x 420.0 mm x 43.6 mm

Item		Description
		- S5720-56C-EI-48S-AC: 442.0 mm x 420.0 mm x 43.6 mm - S5720-36C-PWR-EI-AC: 442.0 mm x 420.0 mm x 43.6 mm - S5720-56C-PWR-EI-AC: 442.0 mm x 420.0 mm x 43.6 mm - S5720-56C-PWR-EI-AC1: 442.0 mm x 420.0 mm x 43.6 mm (When a 1150 W power module is used, it extrudes out from the chassis, increasing the chassis depth to 507.3 mm.) - S5720-36PC-EI-AC: 442.0 mm x 420.0 mm x 43.6 mm - S5720-56PC-EI-AC: 442.0 mm x 420.0 mm x 43.6 mm - S5720-32X-EI-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5720-52X-EI-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5720-50X-EI-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5720-32X-EI-24S-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5720-50X-EI-46S-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5720-32P-EI-AC: 442.0 mm x 220.0 mm x 43.6 mm - S5720-52P-EI-AC: 442.0 mm x 220.0 mm x 43.6 mm
Weight	Fully loaded	≤ 12 kg
	Empty chassis	≤ 8 kg
Stack port		- S5720-C-EI: ports on the 2xQSFP+ dedicated stack card - S5720-PC-EI: ports on the 2xQSFP+ dedicated stack card - S5720-X-EI: two fixed QSFP+ dedicated stack ports on the rear panel - S5720-P-EI: two fixed QSFP+ dedicated stack ports on the rear panel
RPS		Supported by the S5720-X-EI and S5720-P-EI series switches
PoE		Supported by the PWR models
DC input voltage	Rated voltage range	-48 V DC to -60 V DC
	Maximum voltage range	-36 V DC to -72 V DC
AC input voltage	Rated voltage range	100 V AC to 240 V AC, 50/60 Hz
	Maximum voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz

Item		Description
Maximum power consumption (100% throughput, full speed of fans)		• S5720-36C-EI-AC: 75.8 W • S5720-56C-EI-AC: 86.9 W • S5720-36C-EI-28S-AC: 83.9 W • S5720-56C-EI-48S-AC: 104 W • S5720-36C-PWR-EI-AC: – Without PoE: 78 W – 100% PoE loads: 864.3 W (system power consumption: 124.3W, PoE: 740 W) • S5720-56C-PWR-EI-AC: – Without PoE: 91.6 W – 100% PoE loads: 889.4 W (system power consumption: 149.4 W, PoE: 740 W) • S5720-56C-PWR-EI-AC1: – Without PoE: 91.6 W – 100% PoE loads: 1564.8 W (system power consumption: 124.8 W, PoE: 1440 W) • S5720-36PC-EI-AC: 74.6 W • S5720-56PC-EI-AC: 85.7 W • S5720-32X-EI-AC: 51.9 W • S5720-52X-EI-AC: 61.5 W • S5720-50X-EI-AC: 55.3 W • S5720-32X-EI-24S-AC: 58.9 W • S5720-50X-EI-46S-AC: 81.5 W • S5720-32P-EI-AC: 50.7 W • S5720-52P-EI-AC: 60.3 W
Temperature	Operating temperature	0 °C to 45 °C (at altitude of 0-1800 m) NOTE When the altitude is between 1800 m and 5000 m, the operating temperature reduces by 1 °C every time the altitude increases by 220 m.
	Storage temperature	-40 °C to +70 °C
Noise under normal temperature (27 °C, sound power)		• S5720-36C-EI-AC: less than 51.2 dBA • S5720-56C-EI-AC: less than 51.2 dBA • S5720-36C-EI-28S-AC: less than 51.2 dBA • S5720-56C-EI-48S-AC: less than 51.2 dBA • S5720-36C-PWR-EI-AC: less than 53.7 dBA • S5720-56C-PWR-EI-AC: less than 53.7 dBA • S5720-56C-PWR-EI-AC1: less than 61.7 dBA • S5720-36PC-EI-AC: less than 51.2 dBA • S5720-56PC-EI-AC: less than 51.2 dBA

Item	Description
	• S5720-32X-EI-AC: less than 49.3 dBA • S5720-52X-EI-AC: less than 49.3 dBA • S5720-50X-EI-AC: less than 49.3 dBA • S5720-32X-EI-24S-AC: less than 49.3 dBA • S5720-50X-EI-46S-AC: less than 51.1 dBA • S5720-32P-EI-AC: less than 49.3 dBA • S5720-52P-EI-AC: less than 49.3 dBA
Relative humidity	5% RH to 95% RH, noncondensing
Operating altitude	• Non-PoE switch: – DC power modules configured: 0 m to 2000 m – AC power modules configured: 0 m to 5000 m • PoE switch: 0 m to 5000 m
EMC	• CISPR22 Class A • CISPR24 • EN55022 Class A • EN50024 • ETSI EN 300 386 Class A • CFR 47 FCC Part 15 Class A • ICES 003 Class A • AS/NZS CISPR22 Class A • IEC61000-4-2 • ITU-T K 20 • ITU-T K 44
Environmental standards	• RoHS • REACH • WEEE
Safety	• IEC 60950-1 • EN 60950-1/A11/A12 • UL 60950-1 • CSA C22.2 No 60950-1 • AS/NZS 60950.1
Laser safety	• IEC60825-1 • IEC60825-2 • EN60825-1 • EN60825-2

6.8 S5700-HI

Table 6-8 lists specifications of the S5700-HI.

Table 6-8 Specifications of the S5700-HI

Item		Description
Memory (RAM)		512 MB
Flash		64 MB
Mean time between failures (MTBF)		- S5700-28C-HI: 28.7 years when a 4x10GE card is configured; 41.1 years when a 2x10GE card is configured; 42.9 years when a 4xGE card is configured - S5700-28C-HI-24S: 25.5 years when a 4x10GE card is configured; 34.8 years when a 2x10GE card is configured; 36.1 years when a 4xGE card is configured
Mean time to repair (MTTR)		2 hours
Availability		> 0.99999
Surge protection	Service port protection	- S5700-28C-HI: ± 2 kV in common mode - S5700-28C-HI-24S: N/A
	Power supply protection	- AC: ± 6 kV in differential mode; ± 6 kV in common mode - DC: ± 1 kV in differential mode; ± 2 kV in common mode
Dimensions (W x D x H)		442.0 mm x 220.0 mm x 43.6 mm
Weight	Fully loaded	≤ 6.5 kg
	Empty loaded	≤ 5 kg
Stack port		Versions earlier than V200R003C00 do not support stack ports. Since V200R003C00, the 10GE ports on the front card can be used as stack ports.
Maximum stack bandwidth (bidirectional)		80 Gbit/s
RPS		Not supported
PoE		Not supported
Input DC	Rated input voltage	-48 V DC to -60 V DC

Item		Description
voltage	range	
	Maximum voltage range	-36 V DC to -72 V DC
Input AC voltage	Rated input voltage range	100 V AC to 240 V AC, 50/60 Hz
	Maximum voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz
Maximum power consumption (100% throughput, full speed of fans)		- S5700-28C-HI: 76.6 W - S5700-28C-HI-24S: 80.7 W
Temperature	Operating temperature	-5 °C to +55 °C NOTE When the switch has the 40 km SFP+ optical module installed, the operating temperature range is -5 °C to +50 °C.
	Storage temperature	-40 °C to +70 °C
Noise under normal temperature (27 °C, sound power)		Less than 60 dBA
Relative humidity		5% RH to 95% RH, noncondensing
Operating altitude		- Use AC power modules: 0 m to 5000 m - Use DC power modules: 0 m to 2000 m
EMC		- CISPR22 Class A - CISPR24 - EN55022 Class A - EN50024 - ETSI EN 300 386 Class A - CFR 47 FCC Part 15 Class A - ICES 003 Class A - AS/NZS CISPR22 Class A - IEC61000-4-2 - ITU-T K 20 - ITU-T K 44

Item	Description
Environmental standards	• RoHS • REACH • WEEE
Safety	• IEC 60950-1 • EN 60950-1/A11/A12 • UL 60950-1 • CSA C22.2 No 60950-1 • AS/NZS 60950.1
Laser safety	• IEC60825-1 • IEC60825-2 • EN60825-1 • EN60825-2

6.9 S5710-HI

Table 6-9 lists the specifications of the S5710-HI.

Table 6-9 Specifications of the S5710-HI

Item		Description
Memory (RAM)		1 GB
Flash		200 MB
Mean time between failures (MTBF)		28.16 years when no card is configured; 27 years when a 16xGE optical interface card is configured; 25.98 years when a 16xGE electrical interface card is configured; 26.95 years when a 4x10GE card is configured; 26.69 years when a 4x40GE card is configured
Mean time to repair (MTTR)		2 hours
Availability		> 0.99999
Surge protection	Service port protection	Common mode: ± 1 kV
	Power supply protection	± 2 kV in differential mode and ± 4 kV in common mode
Dimensions (W x D)		442.0 mm x 470.0 mm x 86.1 mm

Item		Description
x H)		When a 1150 W power module is installed, it extrudes out from the chassis. Therefore, the total depth of the switch changes to 557.3 mm.
Weight	Fully loaded	≤ 18 kg
	Empty chassis	≤ 12 kg
Stack port		Not supported
RPS		Not supported
PoE		Supported
AC input voltage	Rated voltage range	100 V AC to 240 V AC, 50/60 Hz
	Maximum voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz
Maximum power consumption (100% throughput, 100% PoE loads, full speed of fans)		- With 350 W power module configured: 240 W - With two 1150 W power modules configured: 1680 W (system power consumption: 240 W; PoE: 1440 W)
Temperature	Operating temperature	0 °C to 45 °C (at an altitude between 0 m and 1800 m) NOTE When the altitude is between 1800 m and 5000 m, the highest operating temperature reduces 1 °C every time the altitude increases 220 m.
	Storage temperature	-40 °C to +70 °C
Noise under normal temperature (27 °C, sound power)		less than 67.3 dBA
Relative humidity		5% RH to 95% RH, noncondensing
Operating altitude		0 m to 5000 m
EMC		- CISPR22 Class A - CISPR24 - EN55022 Class A - EN50024 - ETSI EN 300 386 Class A - CFR 47 FCC Part 15 Class A - ICES 003 Class A

Item	Description
	- AS/NZS CISPR22 Class A - IEC61000-4-2 - ITU-T K 20 - ITU-T K 44
Environmental standards	- RoHS - REACH - WEEE
Safety	- IEC 60950-1 - EN 60950-1/A11/A12 - UL 60950-1 - CSA C22.2 No 60950-1 - AS/NZS 60950.1
Laser Safety	- IEC60825-1 - IEC60825-2 - EN60825-1 - EN60825-2

6.10 S5720-HI

Table 6-10 lists the specifications of the S5720-HI series switches.

Table 6-10 Specifications of the S5720-HI series switches

Item		Description
Memory (RAM)		4 GB
Flash		400 MB
Mean time between failures (MTBF)		- S5720-56C-HI-AC: 53.05 years when no card is configured; 49.85 years when a 4x10GE card is configured - S5720-56C-PWR-HI-AC: 39.31 years when no card is configured; 37.53 years when a 4x10GE card is configured - S5720-32C-HI-24S-AC: 56.21 years when no card is configured; 52.63 years when a 4x10GE card is configured
Mean time to repair (MTTR)		2 hours
Availability		> 0.99999
Surge protecti	Service port protectio	- PoE switch: ± 1 kV in common mode - Non-PoE switch: ± 2 kV in common mode

Item		Description
on	n	
	Power supply protection	• DC: ± 1 kV in differential mode; ± 2 kV in common mode • AC: – S5720-56C-HI-AC: ± 6 kV in differential mode; ± 6 kV in common mode – S5720-32C-HI-24S-AC: ± 6 kV in differential mode; ± 6 kV in common mode – S5720-56C-PWR-HI-AC: ± 2 kV in differential mode; ± 4 kV in common mode
Dimensions (W x D x H)		442.0 mm x 420.0 mm x 43.6 mm When a 1150 W power module is installed, it extrudes out from the chassis. Therefore, the total depth of the switch changes to 507.3 mm.
Weight	Fully loaded	≤ 10 kg
	Empty chassis	≤ 6 kg
Stack port		Not supported
RPS		Not supported
PoE		Supported by the PWR models
DC input voltage	Rated voltage range	-48 V DC to -60 V DC
	Maximum voltage range	-36 V DC to -72 V DC
AC input voltage	Rated voltage range	100 V AC to 240 V AC, 50/60 Hz
	Maximum voltage range	90 V AC to 264 V AC, 47 Hz to 63 Hz
Maximum power consumption (100% throughput, 100% PoE loads, full speed of fans)		• S5720-56C-HI-AC: 183.3 W • S5720-56C-PWR-HI-AC: 1739 W (system power consumption: 299 W; PoE: 1440 W) • S5720-32C-HI-24S-AC: 172.7 W
Temperature	Operating temperature	0 °C to 45 °C (at an altitude between 0 m and 1800 m) NOTE When the altitude is between 1800 m and 5000 m, the operating temperature

Item		Description
	ure	reduces by 1 °C every time the altitude increases by 220 m.
	Storage temperature	-40 °C to +70 °C
Noise under normal temperature (27 °C, sound power)		• S5720-56C-HI-AC: less than 60.1 dBA • S5720-56C-PWR-HI-AC: less than 59.8 dBA • S5720-32C-HI-24S-AC: less than 60.0 dBA
Relative humidity		5% RH to 95% RH, noncondensing
Operating altitude		0 m to 5000 m
EMC		• CISPR22 Class A • CISPR24 • EN55022 Class A • EN50024 • ETSI EN 300 386 Class A • CFR 47 FCC Part 15 Class A • ICES 003 Class A • AS/NZS CISPR22 Class A • IEC61000-4-2 • ITU-T K 20 • ITU-T K 44
Environmental standards		• RoHS • REACH • WEEE
Safety		• IEC 60950-1 • EN 60950-1/A11/A12 • UL 60950-1 • CSA C22.2 No 60950-1 • AS/NZS 60950.1
Laser safety		• IEC60825-1 • IEC60825-2 • EN60825-1 • EN60825-2

7 References

For details, see HUAWEI Sx700 Switch Standard and Protocol Compliance List.