Huawei Fixed Switches (S67S57S37S27) Products Introduction

www.huawei.com

HUAWEI

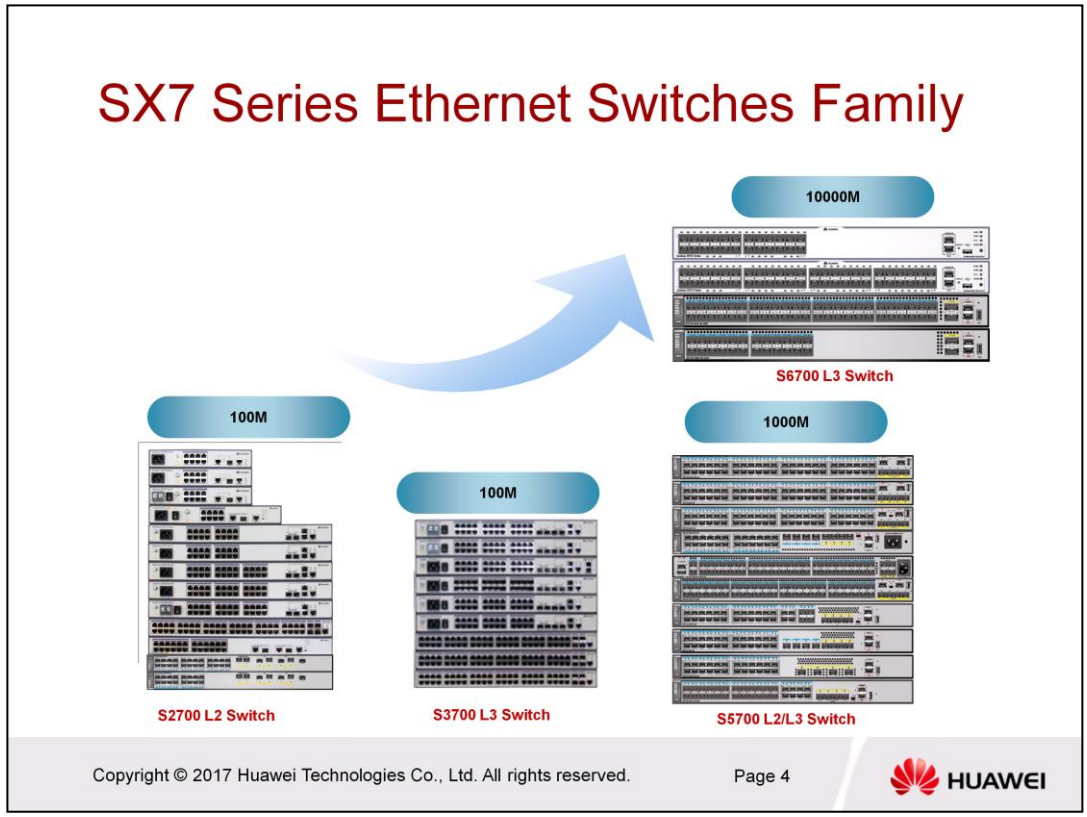
Foreword

- The Quidway S2700/S3700/S5700/S6700 Series Ethernet switches (hereinafter referred to as the SX7 fixed switch) provide the access, aggregation, and data transport functions. They are developed by Huawei to meet the requirements for reliable access and high-quality transmission of multiple services on the enterprise network.
- This course will introduce SX7 fixed switch hardware structure and application scenarios.

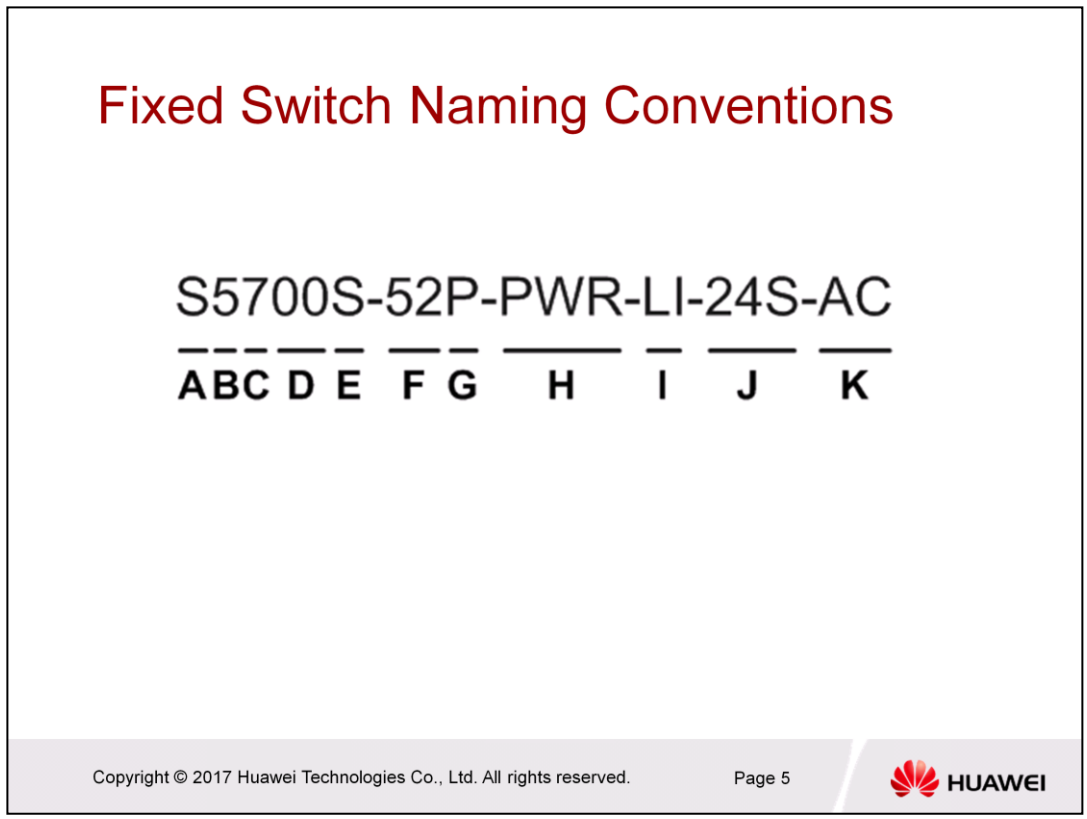
Objectives

- Upon completion of this course, you will be able to:
  - Describe SX7 fixed switch product positioning
  - Describe SX7 fixed switch sub-cards and modules
  - Describe SX7 fixed switch product characteristics
  - Describe SX7 fixed switch typical application scenarios

Contents



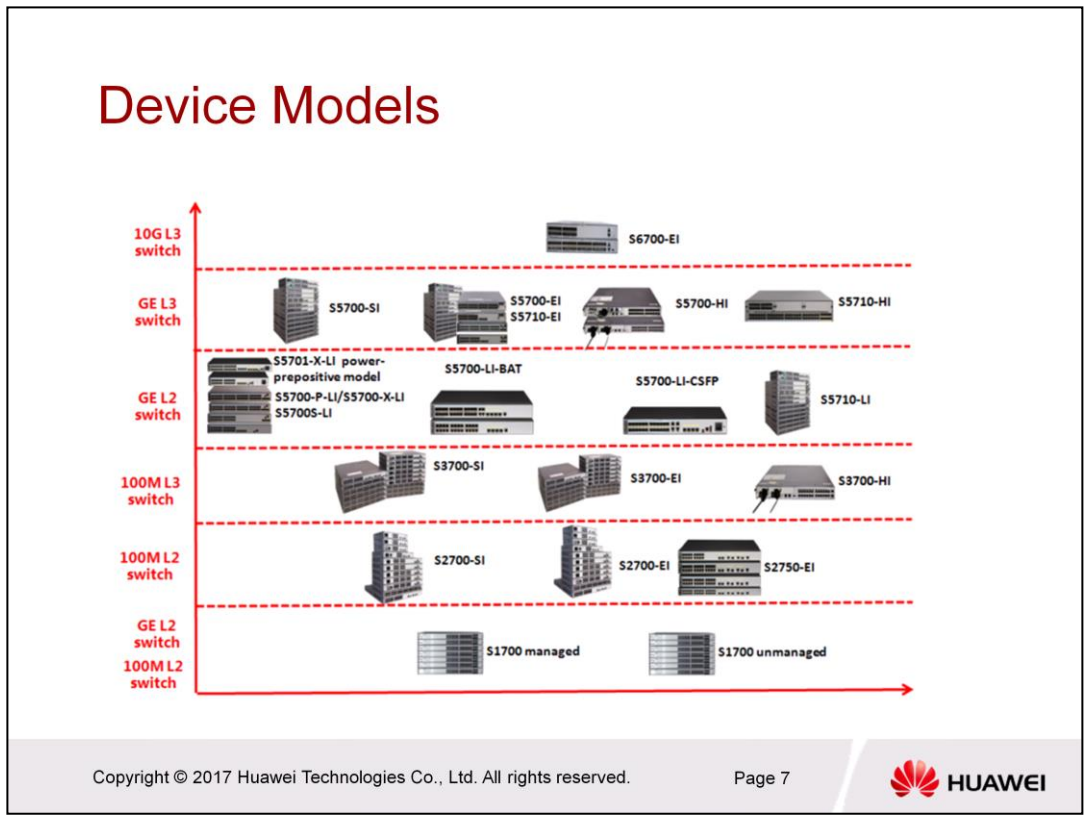
- In terms of product functions, the S1700, S2700, S5700LI are **Layer 2** switches, while the S3700, S5700 (except the S5700LI) and S6700 are **Layer 3** switches.
- (Compared with Layer 2 switches, Layer 3 switches support Layer 3 features such as dynamic routing protocols in addition to Layer 2 features.
- S2700 and S3700 can support to V1R6 software version, S5710LI, S5700SI, S5700EI, S5700HI, S5710HI and S6700 can support to V2R5 software version, and the others can support to higher software version, now is V2R9.



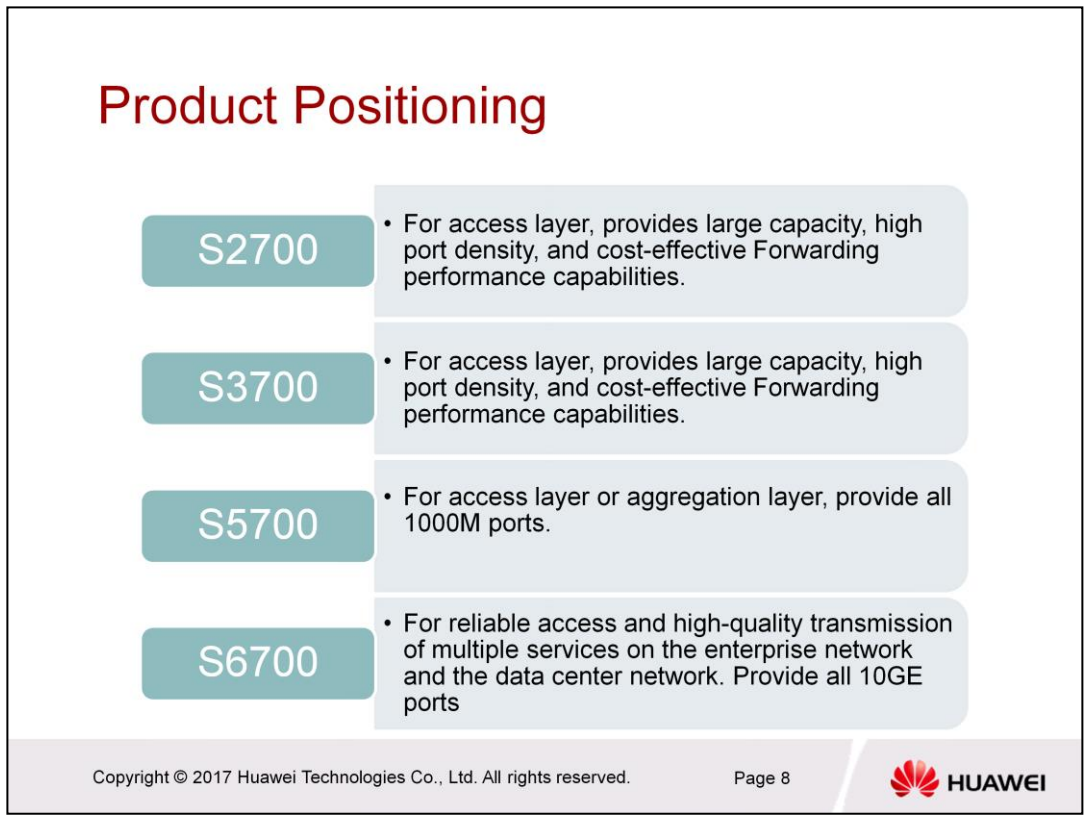
- A: Switch.
- B: Series
  - **6**: 10GE downlink ports
  - **5**: GE downlink ports
  - **3**: Layer 3 switch with 100M downlink ports
  - **2**: Layer 2 switch with 100M downlink ports
- C: Enterprise series switch
- D: Product sub-series (such as 00 or 10)
- E: S: resale model
- F: Maximum number of ports
  - NOTE: On an S5710-EI switch (such as S5710-**28**C-EI), this field indicates the number of fixed ports on the switch.

- G: Uplink port type:
  - **C**: The product supports extended cards and its uplink ports are provided by an extended card or are fixed 10GE ports.
  - **PC**: The product supports extended cards and its uplink ports are provided by an extended card or are fixed GE ports.
  - **X**: The product has fixed 10GE uplink ports.
  - **TP**: The uplink ports of the product include combo ports consisting of electrical and optical ports.
  - **P**: The uplink ports of the product are fixed GE optical ports.
  - NOTE: If the product name does not contain this field, the switch has no uplink port.
- H: PoE funtion
  - **PWR**: The product supports Power over Ethernet (PoE).
  - **PWH**: The product supports PoE++.
  - NOTE: If the product name does not contain this field, the switch does not support the PoE function.
- I: Device type
  - **LI**: lightweight version
  - **SI**: standard version
  - **EI**: enhanced version
  - **HI**: high-level version, which supports high-performance operation, administration, and maintenance (OAM) and built-in real-time clock (RTC)
- J:Downlink port type
  - 24S: 24 downlink SFP optical ports
  - 48CS: 48 downlink compact SFP (CSFP) optical ports
  - NOTE: If the product name does not contain this field, all downlink ports of the switch are electrical ports.
- K:Power supply type
  - **AC**: switch using alternating current power supply
  - **AC1 or ACF**: switch using alternating current power supply and sold with high-power PoE power module
  - **DC**: switch using direct current power supply

- **BAT**: battery LAN switch



- All the S1700s are Layer 2 switches, some of which provide 100M downstream ports and some provide GE downstream ports. You can distinguish these switches from their product names. The switches with a "G" in their product names have GE downstream ports, for example, S1700-52GFR-4P-AC. The switches without "G" in their product names have 100M downstream ports.
- All the S2700s are Layer 2 100M switches.
- All the S3700s are Layer 3 100M switches.
- The S5700-LI, S5700S-LI and S5710-LI series of the S5700s are Layer 2 GE switches (switches with "LI" in the name are Layer 2 switches), and the rest of the S5700s are Layer 3 GE switches.
- The S6700s are Layer 3 10GE switches.



- S2700 positioned for the access layer of enterprise network.
- S5700 positioned for the access layer or aggregation layer of enterprise network.
- The Quidway S6700 Series series Ethernet switches (hereinafter referred to as the S6700) provide the access, aggregation, and data transport functions. They are developed by Huawei to meet the requirements for reliable access and high-quality transmission of multiple services on the enterprise network and the data center network.
- SX7 series switches provide large capacity, high port density, and cost-effective Forwarding performance capabilities. In addition, the SX7 swithes provide multi-service access capabilities, excellent extensibility, quality of service (QoS) guarantee, powerful multicast replication, and carrier-class security, and can be used to build ring topologies of high

Fixed Switches' Network Locations

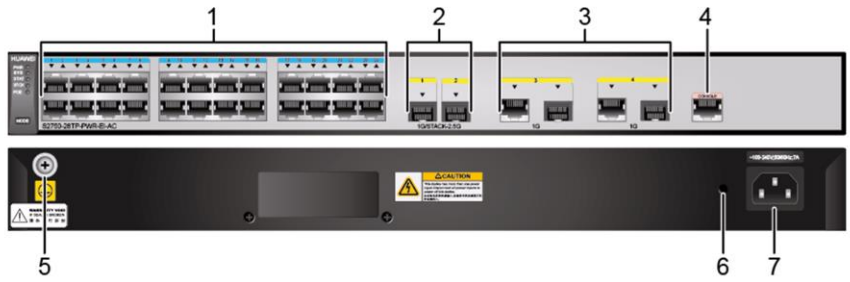
Recommended deployment locations	S2700	S3700	S5700	S6700
SOHO/Terminal	Access	Access	-	-
Small campus	Access	Access	Aggregation layer/Access layer	-
Medium campus	-	-	Access layer	Aggregation layer
Large campus	-	-	Access layer	Access layer
Data center	-	-	-	Access layer

Contents

S2700 Product Positioning

- The S2700 series Ethernet switches (S2700 for short) are next-generation energy-saving 100M Ethernet intelligent switches.
- The S2700 utilizes cutting-edge switching technologies and Huawei Versatile Routing Platform (VRP) software to meet the demand for multi-service provisioning and access on Ethernet networks. It is easy to install and maintain and supports flexible VLAN deployment, comprehensive security and QoS policies, and energy-saving technologies. These features help enterprise customers build a next-generation IT network.

S2750 Appearance and Structure



1	Twenty-four 10/100BASE-TX electrical ports	2	Two 1000BASE-X optical ports
3	Two combo ports (10/100/1000BASE-T + 100/1000BASE-X)	4	One console port
5	Ground screw NOTE: It is used with a ground cable.	6	AC power socket NOTE: It is used with an AC power cable.
7	Jack reserved for AC terminal locking latch	-	-

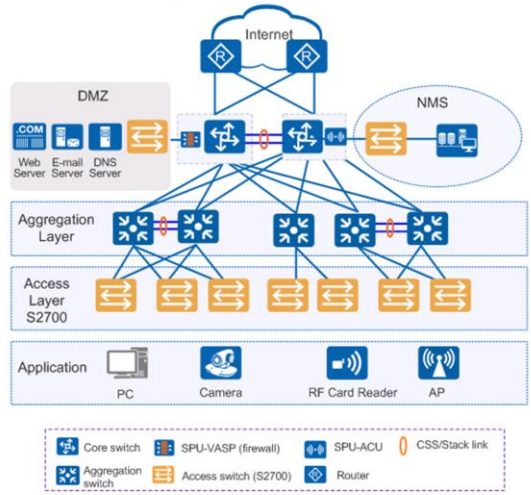
- Two 1000BASE-X ports Applicable modules:
  - GE optical module, GE-CWDM optical module, GE-DWDM optical module, GE copper module, Stack optical module, 1 m and 10 m SFP+ copper cables, 3 m and 10 m AOC cables
- Two combo ports (10/100/1000BASE-T + 100/1000BASE-X) Modules applicable to combo optical ports:
  - FE optical module, GE optical module, GE-CWDM optical module, GE-DWDM optical module
- In V200R006C10 and later versions, you can hold down this button for 6s and release it to start the web initial login mode: If the switch has no configuration file, the system attempts to enter the web initial login mode. In this mode, the status of mode indicators is as follows:
  - If the system enters the web initial login mode successfully, all mode indicators turn green and stay on for a maximum of 10 minutes.
  - If the system fails to enter the initial login mode, all mode indicators fast blink for 10 seconds and then restore to the default status.
- If the switch has a configuration file, the system cannot enter the web initial login mode. In this case, all mode indicators fast blink for 10s, and then return to the default

states.

S2750-EI Specifications

Device	**S2750-20TP-PWR-EI-AC, S2750-28TP-EI-AC, S2751-28TP-PWR-EI-AC, S2750-28TP-PWR-EI-AC**
Downlink	16/24 x 10/100 Base-TX Ethernet ports
Uplink	4 x GE ports
MAC Address Table	16K MAC address entries; Manual deletion of dynamic MAC address entries; Configurable aging time of MAC addresses; MAC address learning control based on ports; Limit on the number of MAC addresses learned on a port; Blackhole MAC address entries;
IPv4 routing	Static routing; RIP v1/v2
ACL	IPv4：500 IPv6：500
Security and Access Features	802.1x authentication and limit on the number of users on an interface; Storm suppression; IP Source Guard; Multiple authentication methods including AAA authentication, RADIUS authentication, and TACACS+ authentication; 802.1x authentication, MAC address authentication, MAC bypass authentication; DHCP snooping; Port isolation and sticky MAC; Packet filtering based on MAC addresses; Limit on the number of learned MAC addresses; Suppression of multicast, broadcast, and unknown unicast packets; CPU defense; DHCP relay;
Reliability	STP (IEEE 802.1d), RSTP (IEEE 802.1w), MSTP (IEEE 802.1s), and RRPP topology and RRPP multi-instance SEP and ERPS (G.8032) Smart Link tree topology and Smart Link multi-instance, implementing millisecond-level protective switch-over

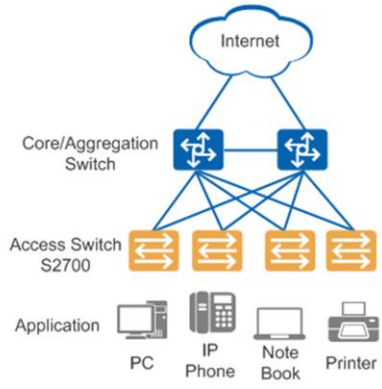
Application of the S2700 on an Enterprise Campus Network



- The S2700 is deployed at the access layer of a campus network to provide high performance, multi-service, and highly reliable enterprise network.

- On the enterprise or campus network as shown in the figure, the S2700s connect to terminals by using 100M electrical interfaces, and connect to aggregation switches by using GE optical or electrical interfaces. The aggregation switches connect to the backbone network by bundling GE interfaces or using 10G 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.

Application of the S2700 for Desktop Access



- The S2700 provides the functions such as voice VLAN, and NAC. Due to the small dimensions, the S2700 can be used for desktop access and provides various access functions.

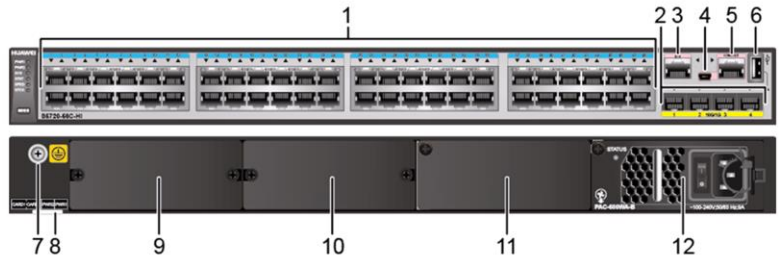
Contents

HUAWEI

S5700 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.

S5720-HI Appearance and Structure



1	Forty-eight 10/100/1000BASE-T Ethernet electrical ports	2	Four 10GE SFP+ Ethernet optical ports
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
9	Extended card slot 1 NOTE: This slot is reserved for a stack card.	10	Extended card slot 2
11	Power module slot 2	12	Power module slot 1

- S5720-HI Series Agile Fixed Switches
- Fully programmable, energy-efficient Gbit/s access switches for building high-density, agile Ethernet networks.
- Innovative virtualization technology and specialized electronics greatly simplify management of converged, wired and wireless networks, provide more granular quality monitoring and error recovery, and enable rapid provisioning of new services and network features.
- Available in 24-port and 48-port models with 10 GE uplink ports enabling comprehensive services processing capabilities.

S5720-HI Specifications

Device	S5720-56C-HI-AC, S5720-56C-PWR-HI-AC, S5720-32C-HI-24S-AC
Fixed Ports	24/48*（POE+）10/100/1000base-T+4*10GE SFP+ , 4 x 10 GE SFP+
Switching Capacity	598 Gbit/s
Forwarding Performance	192 Mpps
MAC Address Table	128K
IPv4 routing	Static Route, RIP V1/2, RIPng, OSPF, OSPFv3, IS-IS, IS-ISv6, BGP, BGP4+, ECMP, Route Policy
Extended Slots	One extended slot supporting a 4 x 10 GE SFP+ subcard One slot reserved for the stack card
Wireless Service	AP access control, AP domain management, and AP configuration template management Radio management, unified static configuration, and dynamic centralized management WLAN basic servicess, QoS, security, and user management CAPWAP, tag/terminal positioning, and spectrum analysis

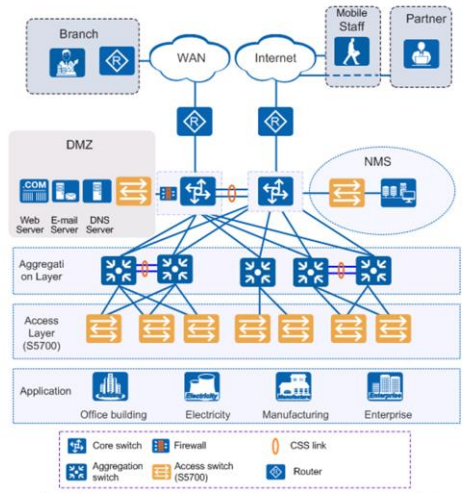
- Native Access Controllers(ACs) provide efficient, seamless support of converged, wired and wireless networks
- Working as Super Virtual Fabric (SVF) parent that virtualize wired switches and wireless APs into a single device, greatly simplifying network management
- Programmable Ethernet Network Processor (ENP) chip lets administrators provision new services and network features quickly, without replacing hardware
- Innovative Packet Conservation Algorithm for Internet (iPCA) technology enhances automatic monitoring and recovery from failures, for a more resilient and responsive user experience

Performance Differences among S5700 Versions

- The richness of functions and features provided by these versions is in the following order: S5700LI < S5700SI < S5700EI < S5700HI.
- The following table lists their support for differences features.

Supported Feature	Switch Model			
	S5700LI	S5700SI	S5700EI	S5700HI
RIP/RIPng	N	Y	Y	Y
OSPF/BGP/PIM	N	N	Y	Y
MPLS/Netstream/Hardware-based Ethernet OAM/BFD	N	N	N	Y

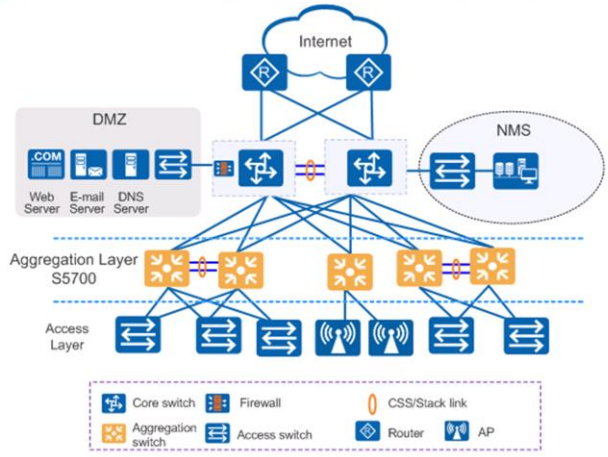
S5700 on a Large-scale Enterprise Campus Network



- The S5700 is deployed at the access layer of a campus network to provide high performance, multi-service, and highly reliable enterprise 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.

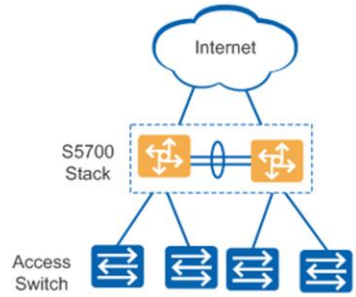
S5700 on a Small- or Medium-scale Enterprise Campus Network



- The S5700 is deployed at the aggregation layer of a campus network to provide high performance, multi-service, and highly reliable enterprise network.

- On an enterprise network or campus network shown in the figure, 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.

S5700 on a Small-scale Enterprise Campus Network



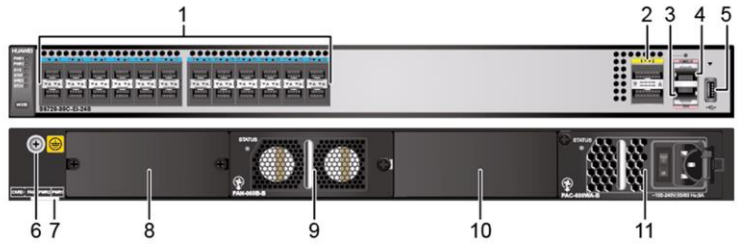
- As core switches of a small-scale enterprise network shown in the Figure, the S5700s have powerful aggregation and routing capabilities. S5700s use iStack to implement backup among multiple devices and ensure high reliability. The S5700 provides various access control policies to achieve centralized management and simplify configuration.

Contents

S6700 Product Positioning

- The S6700 series ethernet switches (S6700 for short) are next-generation 10G box switches. The S6700 can function as an access switch in an Internet data center (IDC) or a core switch on a campus network.
- The S6700 has industry-leading performance and provides up to 24 or 48 line-speed 10GE ports. It can be used in a data center to provide 10 Gbit/s access to servers or function as a core switch on a campus network to provide 10 Gbit/s traffic aggregation. In addition, the S6700 provides a wide variety of services, comprehensive security policies, and various QoS features to help customers build scalable, manageable, reliable, and secure data centers.

S6720 Series Switches



1	Twenty-four 10GE SFP+ Ethernet optical ports	2	Two 40GE QSFP+ optical ports
3	One ETH management port	4	One console port
5	One USB port	6	Ground screw NOTE: It is used with a ground cable.
7	Equipment serial number (ESN) label	8	Extended card slot
9	Fan module slot	10	Power module slot 2
11	Power module slot 1	-	-

HUAWEI

- S6720 Series Next-Generation Enhanced 10 GE Switches
- The industry's highest-performing fixed switches, the S6720 series provides 24/48 full line-speed 10 GE ports, which are scalable to 6 x QSFP+ full line-speed ports.
- The S6720 supports long-distance stacking with up to 480 Gbit/s bidirectional stack bandwidth. It also supports 1+1 backup of AC and DC power modules that can be installed on the same device.
- These switches offer various service features, supports comprehensive security policies and QoS capabilities, and are best suited for data center servers and the core campus network.

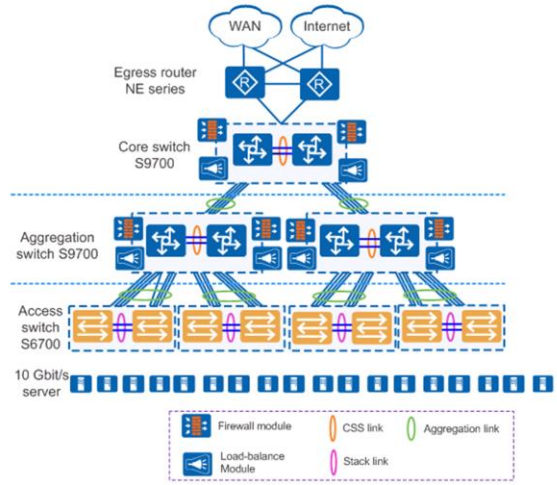
S6720-EI Series Switches

Device	S6720-30C-EI-24S-AC S6720-54C-EI-48S-AC	S6720S-26Q-EI-24S-AC
Port Configuration	24/48*10GE SFP+ + 2*40GE QSPF+	24*10GE SFP+ + 2*40GE QSPF+
Extended Slot	One extended slot for 4 x 40 GE QSFP+ interface card	Not supported
Switching Capacity	2.56 Tbit/s	
MAC Address Table	288k MAC address entries; MAC address learning and aging; Static, dynamic, and black hole MAC address entries; Packet filtering based on source MAC addresses;	
IPv4 Routing	Static routing, RIPv1, RIPv2, ECMP, and URPF OSPF, IS-IS, and BGP VRRP Policy-based routing	
MPLS	MPLS L2 VPN(VPWS/VPLS), MPLS L3 VPN，MPLS-TE, MPLS QoS feature	

HUAWEI

- A single device supports up to 48 x GE and 6 x 40GE full line-speed ports and long-distance stacking with 480 Gbit/s bidirectional stack bandwidth.
- Supports comprehensive security policies, such as anti-DDoS, binding tables, and IPSG, and reliability mechanisms.
- Provides enhanced QoS capabilities, strong MPLS service processing capabilities, and high scalability. Supports 1+1 backup of AC and DC power modules that can be installed on the same device, as well as traffic monitoring technology sFlow.
- Supports Easy Operation Commander, Zero Touch Provisioning (ZTP) of new devices, batch device upgrades and patch installation, and faulty device replacement.

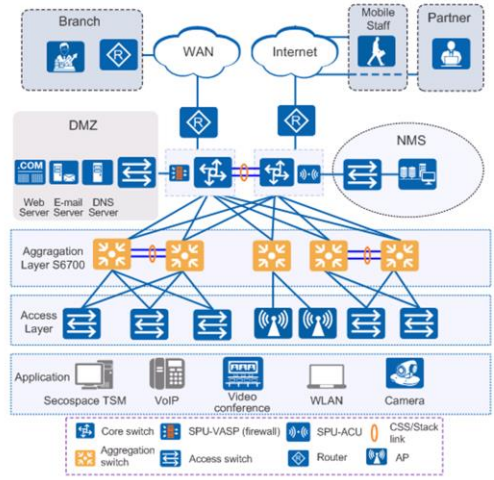
Application of the S6700 in a Data Center



- The S6700 is deployed at the access layer of an enterprise campus network, helping an enterprise build a virtualized, highly reliable, non-blocking, and green data center network.

- As shown in the Figure, on a data center network, NE routers function as the egress routers; S9700s function as core and aggregation switches to ensure network security and implement load balancing by using firewall and load balance service cards.
- S6700s function as access switches to provide 10 Gbit/s access. The S6700 uses iStack to ensure high reliability. When a switch is faulty, the other switch takes over services on the faulty switch. Eth-Trunk is used to achieve link-level reliability. Reliability protocols such as STP and VRRP are not required, configuration and maintenance are simplified, and configuration errors are reduced.

S6700 on a Large-scale Enterprise Campus Network



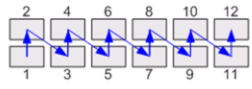
- The S6700 is deployed at the aggregation layer of a large-scale enterprise campus network, helping you built a highly reliable, scalable, and manageable enterprise campus network.

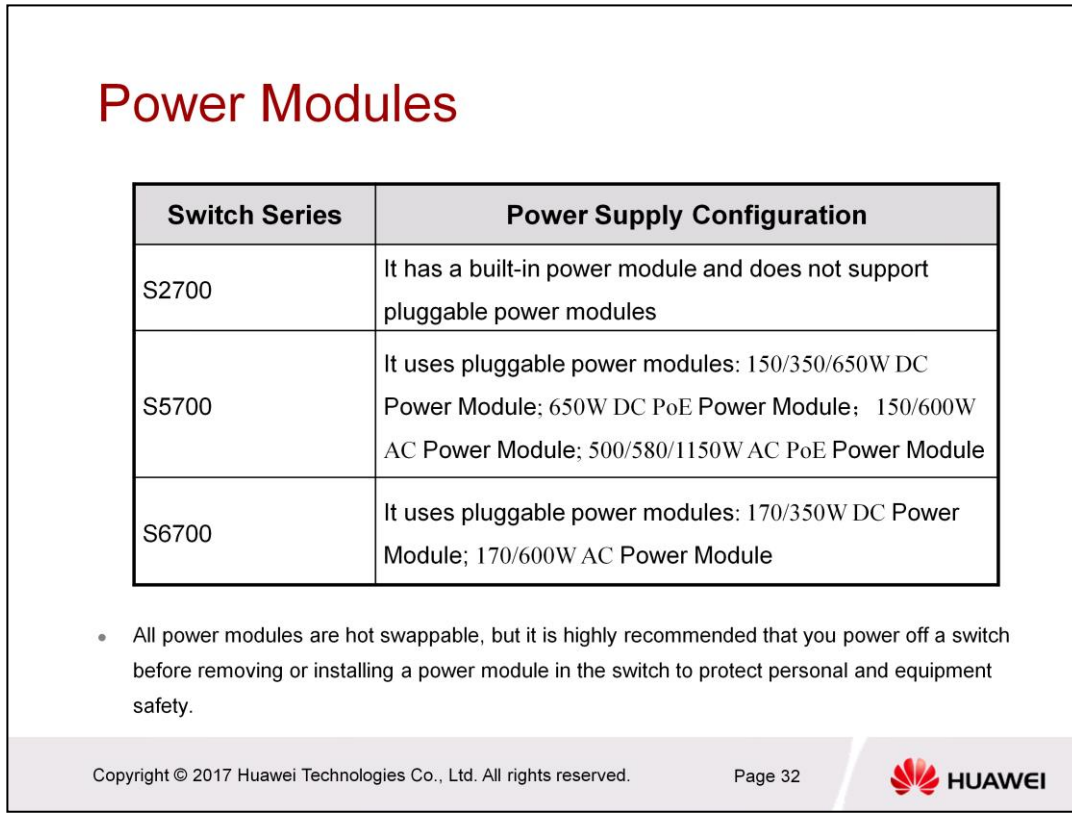
- On an enterprise network or campus network, the S6700s connect to access switches through 100M/1000M interfaces, provide high performance and large switching capacity, and connect to core switches through 10GE optical interfaces. The network provides 10 Gbit/s rate for the backbone layer and 100 Mbit/s access rate for terminals, meeting requirements for high bandwidth and multi-service.
- The S6700 provides SEP and RRPP to implement millisecond-level protection switching. S6700s 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 S6700s can be managed in a uniform manner to facilitate network management and maintenance.

Contents

Port Numbering Conventions

- A single switch uses slot ID/subcard ID/port sequence number to identify physical ports.
  - Slot ID: indicates the slot where the switch is located. The value is 0.
  - Subcard ID: indicates the ID of a subcard.
  - Port sequence number: indicates the sequence number of a port on the switch.
- A stacked switch uses Stack ID/subcard ID/port sequence number to identify physical ports.
  - Stack ID: indicates the ID of a stacked switch. The value ranges from 0 to 8.
  - Subcard ID: indicates the ID of a subcard.
  - Port sequence number: indicates the sequence number of a port on the switch.

Port Numbering Diagram	Description
	There are two rows of service ports on the device. These ports are numbered from bottom to top and left to right, starting from 1. For example, the port on the top left is numbered 0/0/2.



- Before replacing a power module in a switch, make sure that the switch can be powered by the other power module after the power module is removed. Otherwise, services on the switches will be interrupted by a power failure when the power module is removed.
- Before powering off a switch, shut down all of its power supply units.
- The S5720-HI models that do not support Power over Ethernet (PoE) can use 350 W DC and 600 W AC power modules together. The S5710-HI series can use 350 W and 1150 W power modules together. The S5720-28X-PWR-SI-AC, S5720-52X-PWR-SI-AC, S5720-28X-PWR-SI-DC, S5720-52X-PWR-SI-DC, S5720-36C-PWR-EI-AC, S5720-36C-PWR-EI-DC, S5720-56C-PWR-EI-DC, and S5720-56C-PWR-EI-AC can use 500 W AC PoE and 650 W DC PoE power modules together. Other models do not allow power modules of different power values to be used in the same chassis.
- The S6720-EI can use 350 W DC and 600 W AC power modules together. Other models do not allow power modules of different power values to be used in the same chassis.

PoE Function

Series	Maximum Number of PoE Interfaces (IEEE 802.3af)	Maximum Number of PoE Interfaces (IEEE 802.3at)
S2700	8/16/24	4/8/12
S5700	8/12/16/24/48	4/6/8/12/24/26/48
S6700	Not supporting PoE	

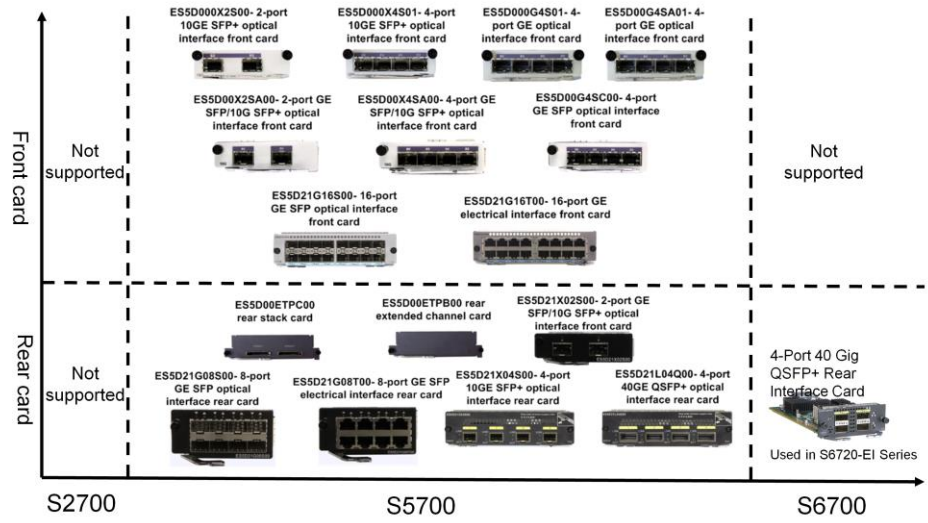
- Switches with PWR in the name support PoE power supply, such as the S5710-52C-**PWR**-EI.
- PoE switches provide power for powered devices (PDs) over Ethernet electrical interfaces. All the PoE switches comply with IEEE 802.3af and 802.3at. IEEE 802.3af supports a maximum of 15.4 W power and the IEEE 802.3at supports a maximum of 30 W power. The PDs connected to a switch determine which standard the switch should comply with, and the switch is auto-sensing.
- The number of interfaces that can provide PoE power supply on a switch depends on the power module used, the corresponding standard, and the switch's own limitations. Here, I'm providing the maximum number of interfaces that each series can support theoretically. See the *Hardware Description* of the corresponding product for details.

Support for Cards

Series	Support for Cards
S2700	Not supported
S5700	Supported by models other than the S5700-Li, S5700S-LI and S5700-26X-SI-12S-AC.
S6700	Only supported by 6720EI.

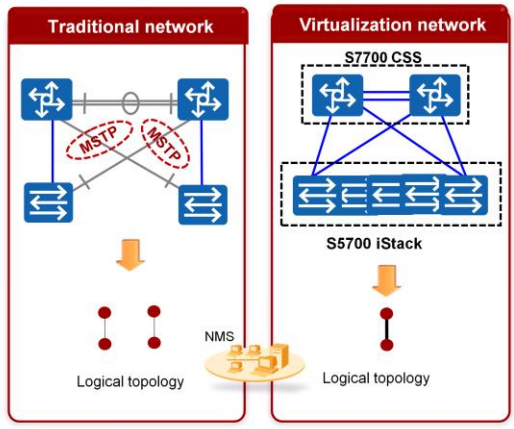
- When the fixed interfaces on the switches cannot meet the needs of users, cards of a specified type can be used. Cards are usually optional, providing more functions and applications, such as high-speed uplink interfaces and stack cards.
- Here's a method to quickly determine whether a switch supports cards: check whether its name contains a C. For example, the S5700-28**C**-EI supports cards.
- There are several exceptions: The S5700-24TP and S5700-48TP of the S5700-SI series do not support service cards but they support stack cards, although there is no "C" in their names.

List of cards



Contents

iStack Benefits



Improve bandwidth efficiency and reduce CAPEX

- Ring protection protocols such as MSTP are not required, and no link needs to be blocked.
- 100% of bandwidth is used. (Only 50% of bandwidth is used on an STP network).

Build a highly reliable loop-free network

- The convergence time is much shorter than STP.
- The system continues running if a single device fails.

Simplify O&M and reduce OPEX

- Fewer network nodes are deployed, simplifying network management.
- The master switch synchronizes the configuration file to other member switches, simplifying device operation and configuration.

Stack Card Stacking and Service Port Stacking

Stack card stacking

- **Stack card connection**

  Two situations exist:
  - Member switches are connected using **dedicated stack cards** and stack cables.
  - Stack cards are integrated on the switch's rear panel. Member switches are connected using stack ports fixed on the rear panel and stack cables.

Service port stacking

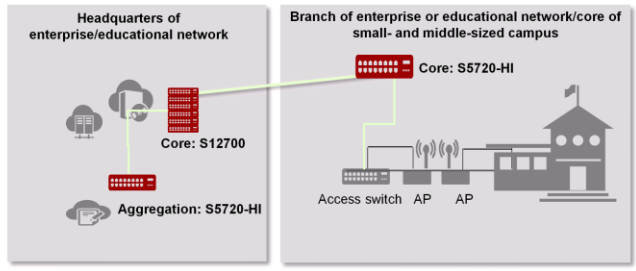
- **Service port connection**

  Member switches are connected using service ports, which are configured as physical member ports and bound to logical stack ports. This connection mode does not require stack cards.

  A logical stack port is bound to physical member ports to connect stack member switches. Each member switch supports two logical stack ports.

S5720-HI, Enables Networks to Be More Agile for Services

World's First Agile Box Switch



ENP

Full programmability: service customization

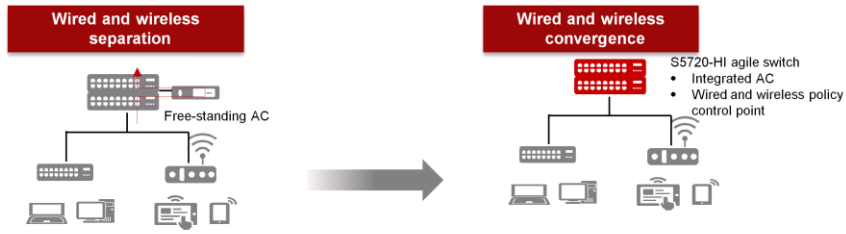
High performance: hardware-based acceleration

Low power consumption: intelligent power adjustment

A large number of entries: high specification

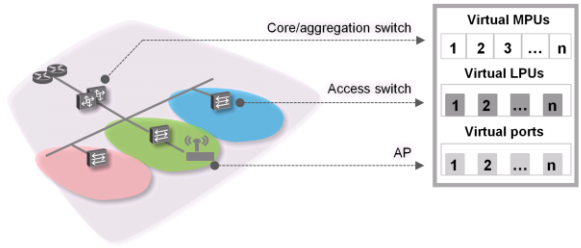
HUAWEI

Wired and Wireless Converged Forwarding with Integrated AC



- Separated forwarding: Traditional box devices do not have the AC capability. A free-standing AC must be connected to the box device. Wired forwarding and wireless forwarding are separated.
- Distributed network elements (NEs): Customers have to buy AC devices or subcards, increasing investment and potential failure points.
- Converged forwarding: Wired forwarding and wireless forwarding converge. A maximum of 1K APs can be managed.
- Converged NEs: ACs are integrated on switches, reducing investment and potential failure points.

SVF Manages a Campus Network as One Device



Converged campus network

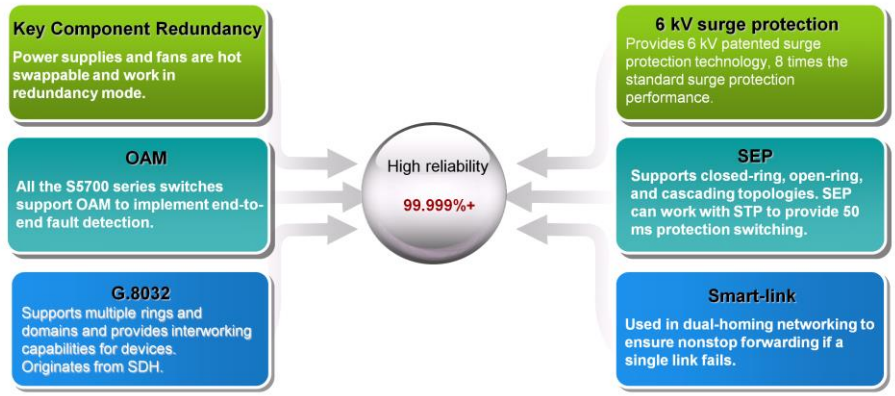
- Cloud structure, on-demand expansion
- Campus network virtualized into **one** device
- Access switches and APs are virtualized as extended ports on the virtual switch

- SVF manages a campus network as one device
  - Simple management: The devices on the entire network are virtualized into one, and devices are plug-and-play. Only one NE needs to be managed on the network.
  - Centralized management: Core devices manage ACL rules, QoS policies, and user security.
  - Distributed forwarding: Each device on the wired network can independently perform control and forwarding, avoiding bandwidth bottlenecks.

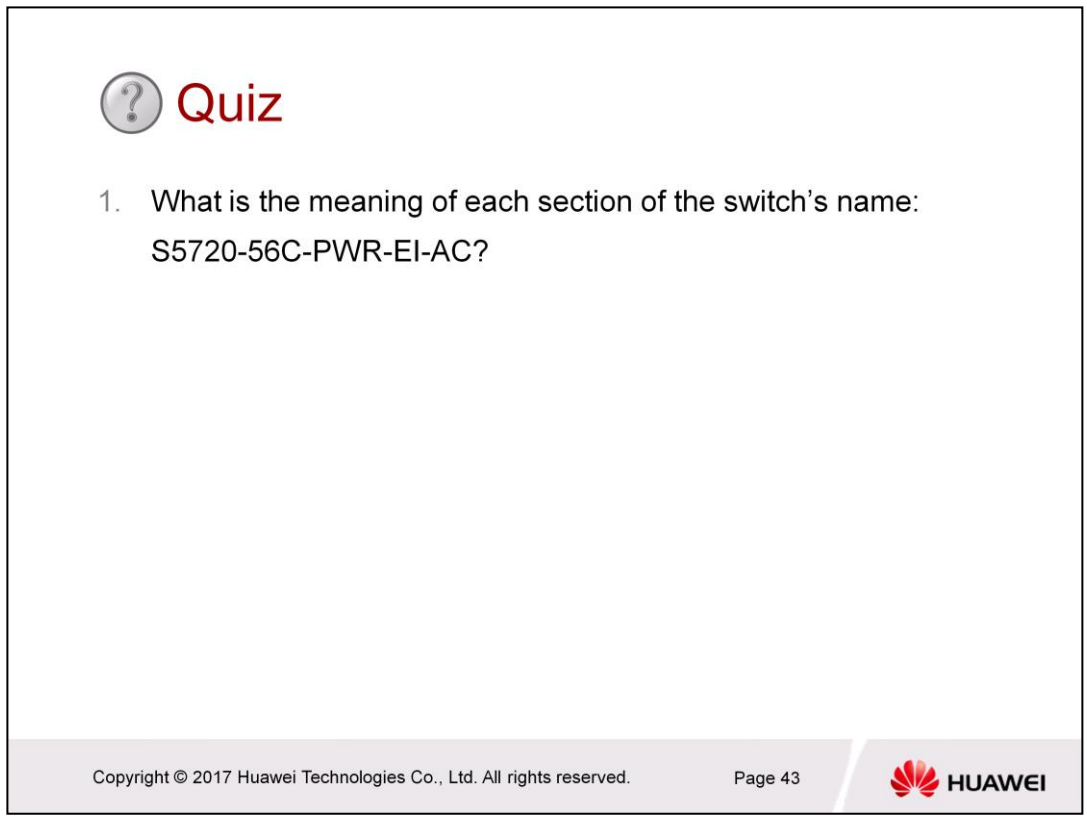
Professional capabilities

- Virtualize **32** access switches, which triples industrial average
- **Unprecedentedly** support virtualization of 1K APs, simplifying network maintenance and management

Flexible Ethernet Networking: Stability and Reliability



HUAWEI



- What is the meaning of each section of the switch's name: S3728TP-PWR-EI?
  - S: Switch
  - 57: Series
  - 20: Product sub-series
  - 56:the maximum port quantity
  - C: The product supports extended cards and its uplink ports are provided by an extended card or are fixed 10GE ports.
  - PWR: The product supports Power over Ethernet (PoE).
  - EI: enhanced version
  - AC: switch using alternating current power supply

Summary

- Sx7 switches provide the access, aggregation, and data transport functions.
- SX7 switches contain S2700, S3700, S5700, S6700 sub-series.

Thank You

www.huawei.com