CloudEngine S5732-H-V2 Series Multi-GE Switches Brochure

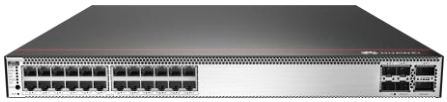
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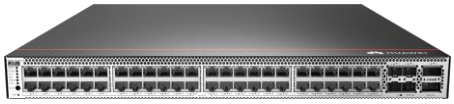
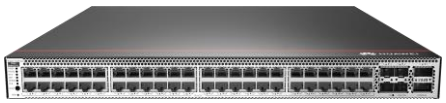
Product Overview

CloudEngine S5732-H-V2 series Switches are brand-new full-10GE(Multi-GE capable) switches developed by Huawei for the Wi-Fi 6 era. The CloudEngine S5732-H-V2 builds on Huawei's unified Platform and boasts various IDN features. For example, the VXLAN functionality implements network virtualization. With these merits, the CloudEngine S5732-H-V2 can function as core switches for small-sized campus networks and branches of medium- and large-sized campus networks, and also work as access switches for Metropolitan Area Network. CloudEngine S5732-H-V2 can provide a maximum of 48 10GE Multi-GE ports, which is a good choice for WLAN APs to connect to a switch in the high-quality campus networks.

Models and Appearances

The following models are available in the CloudEngine S5732-H-V2 series.

Models and Appearances	Description
 CloudEngine S5732-H24UM4Y2CZ-V2	• 24 × 100M/1000M/2.5G/5G/10G Base-T Ethernet ports, 4 x 10/25GE SFP28 + 2 x 40/100GE QSFP28 ports • One extended slot • PoE++ • 1+1 power backup • Forwarding performance: 490 Mpps • Switching capacity*: 1.24 Tbps/2.4 Tbps *Note: All ports support 100M/1000M/2.5GE by default. You can purchase right-to-use (RTU) licenses to upgrade the port rate (every 12 ports per RTU license) from 2.5GE to 5GE or 10GE.*
 CloudEngine S5732-H24UM4Y2CZ-TV2	• 24 × 100M/1000M/2.5G/5G/10G Base-T Ethernet ports, 4 x 10/25GE SFP28 + 2 x 40/100GE QSFP28 ports • One extended slot • PoE++ • 1+1 power backup • Forwarding performance: 490 Mpps • Switching capacity*: 1.24 Tbps/2.4 Tbps *Note: All ports support 100M/1000M/2.5GE by default. You can purchase right-to-use (RTU) licenses to upgrade the port rate (every 12 ports per RTU license) from 2.5GE to 5GE or 10GE.*

Models and Appearances	Description
 CloudEngine S5732-H48UM4Y2CZ-V2	• 48 × 100M/1000M/2.5G/5G/10G Base-T Ethernet ports, 4 x 10/25GE SFP28 + 2 x 40/100GE QSFP28 ports • One extended slot • PoE++ • 1+1 power backup • Forwarding performance: 490 Mpps • Switching capacity*: 1.72 Tbps/2.4 Tbps *Note: All ports support 100M/1000M/2.5GE by default. You can purchase right-to-use (RTU) licenses to upgrade the port rate (every 12 ports per RTU license) from 2.5GE to 5GE or 10GE.*
 CloudEngine S5732-H48UM4Y2CZ-TV2	• 48 × 100M/1000M/2.5G/5G/10G Base-T Ethernet ports, 4 x 10/25GE SFP28 + 2 x 40/100GE QSFP28 ports • One extended slot • PoE++ • 1+1 power backup • Forwarding performance: 490 Mpps • Switching capacity*: 1.72 Tbps/2.4 Tbps *Note: All ports support 100M/1000M/2.5GE by default. You can purchase right-to-use (RTU) licenses to upgrade the port rate (every 12 ports per RTU license) from 2.5GE to 5GE or 10GE.*

Note：The value before the slash (/) refers to the device's switching capability, while the value after the slash (/) means the system's switching capability.

Features and Highlights

High-density Multi-GE Access Interface

- The uplink bandwidth of WLAN APs has been increased from 2.5 Gbit/s in 802.11ac to 5 Gbit/s or 10 Gbit/s. Traditional gigabit access or Multi-gigabit bundled access cannot meet the uplink bandwidth requirements of APs. With the launch of the CloudEngine S5732-H-V2 series 10GE(Multi-GE capable) switches, the ports support 100M/1/2.5/5/10G auto-sensing, meeting the bandwidth requirements of high-speed wireless APs in the Wi-Fi 6 era. In addition, Multi-GE ports support 90 W PoE++, which provides high-power power for powered devices (PDs) such as APs and IP cameras.
- The S5732-H-V2 series switches provide industry-leading Multi-GE port density, switching capacity, and packet forwarding rate. A single switch supports a maximum of 48 100M/1G/2.5G/5G/10G Base-T auto-sensing ports and 1G/10G/25G/40G/100G optical uplink ports, provides one extended slot to support 8*10GE subcards, meets various device interconnection requirements and can be seamlessly integrated into the existing network.

Enabling Networks to Be More Agile for Services

- CloudEngine S5732-H-V2 has a built-in high-speed and flexible processor chip. The chip's flexible packet processing and traffic control capabilities can meet current and future service requirements, helping build a highly scalable network.
- In addition to capabilities of traditional switches, the CloudEngine S5732-H-V2 provides open interfaces and supports user-defined forwarding behavior. Enterprises can use the open interfaces to develop new protocols and functions independently or jointly with equipment vendors to build campus networks meeting their own needs.
- CloudEngine S5732-H-V2 series switches, on which enterprises can define their own forwarding models, forwarding behavior, and lookup algorithms. Microcode programmability makes it possible to provide new services within six months, without the need of replacing the hardware. In contrast, traditional ASIC chips use a fixed forwarding architecture and follow a fixed forwarding process. For this reason, new services cannot be provisioned until new hardware is developed to support the services one to three years later.

Delivering Abundant Services More Agilely

- With the unified user management function, the CloudEngine S5732-H-V2 authenticates both wired and wireless users, ensuring a consistent user experience no matter whether they are connected to the network through wired or wireless access devices. The unified user management function supports various authentication methods, including 802.1x, MAC address, , and is capable of managing users based on user groups, domains, and time ranges. These functions visualize user and service management and boost the transformation from device-centric management to user experience-centric management.
- The CloudEngine S5732-H-V2 provides excellent quality of service(QoS) capabilities and supports queue scheduling and congestion control algorithms. Additionally, it adopts innovative priority queuing and multi-level scheduling mechanisms to implement fine-grained scheduling of data flows, meeting service quality requirements of different user terminals and services.

Providing Fine Granular Network Management More Agilely

- The CloudEngine S5732-H-V2 uses the Packet Conservation Algorithm for Internet(iPCA) technology that changes the traditional method of using simulated traffic for fault location. iPCA technology can monitor network quality for any service flow anywhere and anytime, without extra costs. It can detect temporary service interruptions in a very short time and can identify faulty ports accurately. This cutting-edge fault detection technology turns "extensive management" to "fine granular management."

Flexible Ethernet Networking

- In addition to traditional Spanning Tree Protocol (STP), Rapid Spanning Tree Protocol (RSTP), and Multiple Spanning Tree Protocol (MSTP), the CloudEngine S5732-H-V2 supports the latest Ethernet Ring Protection Switching (ERPS) standard. 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 CloudEngine S5732-H-V2 supports Smart Link and Virtual Router Redundancy Protocol (VRRP), which implement backup of uplinks. One CloudEngine S5732-H-V2 switch can connect to multiple aggregation switches through multiple links, significantly improving reliability of access devices.

Various Security Control Methods

- The CloudEngine S5732-H-V2 supports 802.1x authentication, MAC address authentication, , and hybrid authentication, and can dynamically delivery user policies such as VLANs, QoS policies, and access control lists (ACL). It also supports user management based on user groups.
- The CloudEngine S5732-H-V2 provides a series of mechanisms to defend against DoS 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 CloudEngine S5732-H-V2 sets up and maintains a DHCP snooping binding table, and discards the packets that do not match the table entries. You can specify DHCP snooping trusted and untrusted ports to ensure that users connect only to the authorized DHCP server.
- The CloudEngine S5732-H-V2 supports strict ARP learning, which prevents ARP spoofing attackers from exhausting ARP entries.
- The CloudEngine S5732-H-V2 supports Media Access Control Security (MACsec) with downlink ports (24 or 48× 100M/1G/2.5G/5G/10G)， and subcards (8*10GE SFP+ subcard) . It provides identity authentication, data encryption, integrity check, and replay protection to protect Ethernet frames and prevent attack packets.

Mature IPv6 Features

- The CloudEngine S5732-H-V2 is developed based on the mature, stable VRP and supports IPv4/IPv6 dual stacks, IPv6 routing protocols (RIPng, OSPFv3, BGP4+, and IS-IS for IPv6). With these IPv6 features, the CloudEngine S5732-H-V2 can be deployed on a pure IPv4 network, a pure IPv6 network, or a shared IPv4/IPv6 network, helping achieve IPv4-to-IPv6 transition.

Intelligent Stack (iStack)

- The CloudEngine S5732-H-V2 supports the iStack function that 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 a stack's ports, bandwidth, and processing capacity by simply adding member switches. iStack also simplifies device configuration and management. After a stack is set up, up to nine physical switches can be 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.

VXLAN Features

- VXLAN is used to construct a Unified Virtual Fabric(UVF). As such, multiple service networks or tenant networks can be deployed on the same physical network, and service and tenant networks are isolated from each other. This capability truly achieves 'one network for multiple purposes'. The resulting benefits include enabling data transmission of different services or customers, reducing the network construction costs, and improving network resource utilization.
- The CloudEngine S5732-H-V2 series switches are VXLAN-capable and allow centralized and distributed VXLAN gateway deployment modes. These switches also support the BGP EVPN protocol for dynamically establishing VXLAN tunnels and can be configured using NETCONF/YANG.

Intelligent O&M

- The CloudEngine S5732-H-V2 provides telemetry technology to collect device data in real time and send the data to Huawei campus network analyzer CampusInsight. The CampusInsight analyzes network data based on the intelligent fault identification algorithm, accurately displays the real-time network status, effectively demarcates and locates faults in a timely manner, and identifies network problems that affect user experience, accurately guaranteeing user experience.

PoE Function

- **Perpetual PoE**: When a PoE switch is warm rebooting (Don't turn PSE switch power off), for example, reboot upon the software upgrade, the power supply to PDs is not interrupted.This capability ensures that PDs are not powered off during the switch warm reboot.
- **Fast PoE**: PoE switches can supply power to PDs within seconds after they are powered on. This is different from common switches that generally take 1 to 3 minutes to start to supply power to PDs. When a PoE switch reboots due to a power failure, the PoE switch continues to supply power to the PDs immediately after being powered on without waiting until it finishes reboot. This greatly shortens the power failure time of PDs.

Intelligent Upgrade

- Switches support the intelligent upgrade feature. Specifically, switches obtain the version upgrade path and download the newest version for upgrade from the Huawei Online Upgrade Platform (HOUP). The entire upgrade process is highly automated and achieves one-click upgrade. In addition, preloading the version is supported, which greatly shortens the upgrade time and service interruption time.
- The intelligent upgrade feature greatly simplifies device upgrade operations and makes it possible for the customer to upgrade the version independently. This greatly reduces the customer's maintenance costs. In addition, the upgrade policies on the HOUP platform standardize the upgrade operations, which greatly reduces the risk of upgrade failures.

Big Data Security Collaboration

- The CloudEngine S5732-H-V2 switches use NetStream to collect campus network data and then report such data to the Huawei HiSec Insight. The purposes of doing so are to detect network security threats, display the security posture across the entire network, and enable automated or manual response to security threats. The HiSec Insight delivers the security policies to the iMaster NCE-Campus. The iMaster NCE-Campus then delivers such policies to switches that will handle security events accordingly. All these ensure campus network security.

Cloud Management

- The Huawei cloud management platform allows users to configure, monitor, and inspect switches on the cloud, reducing on-site deployment and O&M manpower costs and decreasing network OPEX. Huawei switches support both cloud management and on-premise management modes. These two management modes can be flexibly switched as required to achieve smooth evolution while maximizing return on investment (ROI).

Open Programmability System(OPS)

- Open Programmability System(OPS) is an open programmable system based on the Python language. IT administrators can program the O&M functions of a switch through Python scripts to quickly innovate functions and implement intelligent O&M.

Licensing

IDN One Software

CloudEngine S5732-H-V2 supports both the traditional feature-based licensing mode and the latest Huawei IDN One Software (N1 mode for short) licensing mode. The N1 mode is ideal for deploying Huawei CloudCampus Solution in the on-premises scenario, as it greatly enhances the customer experiences in purchasing and upgrading software services with simplicity.

Software Package Features in N1 Mode

Switch Functions	N1 Basic Software	N1 Foundation Software Package	N1 Advanced Software Package
Basic network functions: Layer 2 functions, IPv4, IPv6, and others Note: For details, see the Service Features	√	√	√
Basic network automation based on the iMaster NCE-Campus: • Basic automation: Plug-and-play • Basic monitoring: Application visualization • NE management: Image and topology management and discovery • User access authentication	×	√	√
Advanced network automation and intelligent O&M: VXLAN, free mobility, and CampusInsight basic functions	×	×	√

RTU license

CloudEngine S5732-H-V2 series Multi-GE switches use the innovative RTU license design. The RTU license is used to flexibly manage and control downlink Multi-GE ports (every 12 ports in a group).The switches can be configured and upgraded on demand,when working with aggregation switches, and core switches, they can quickly build a flexible campus network to meet actual service requirements , enable customers' networks and services to grow together, and avoid excessive investment.

RTU license

RTU license decription	CloudEngine S5732-H24UM4Y2CZ-V2/ S5732-H24UM4Y2CZ-TV2	CloudEngine S5732-H48UM4Y2CZ-V2/ S5732-H48UM4Y2CZ-TV2
2.5G to 5G Electronic RTU License, 12-port	√	√
2.5G to 10G Electronic RTU License, 12-port	√	√
5G to 10G Electronic RTU License, 12-port	√	√

Product Specifications

Item	CloudEngine S5732-H24UM4Y2CZ-V2 CloudEngine S5732-H24UM4Y2CZ-TV2	CloudEngine S5732-H48UM4Y2CZ-V2 CloudEngine S5732-H48UM4Y2CZ-TV2
Fixed port	24×100M/1000M/2.5G/5G/10GBase-T ports, 4 x 10/25GE SFP28 + 2 x 40/100GE QSFP28 ports	48×100M/1000M/2.5G/5G/10GBase-T ports, 4 x 10/25GE SFP28 +2 x 40/100GE QSFP28 ports

Item	CloudEngine S5732-H24UM4Y2CZ-V2 CloudEngine S5732-H24UM4Y2CZ-TV2	CloudEngine S5732-H48UM4Y2CZ-V2 CloudEngine S5732-H48UM4Y2CZ-TV2
Extended slot	One extended slot, support 8 x 10GE SFP+ cards*	
Dimensions (H x W x D)	43.6 mm x 442 mm x 420 mm	43.6 mm x 442 mm x 420 mm
Chassis height	1U	1U
Chassis weight (full configuration weight)	8.88kg	9.53kg
Power supply type	• 600 W PoE AC (pluggable) • 1000 W PoE AC (pluggable) • 1000 W PoE DC (pluggable)	• 600 W PoE AC (pluggable) • 1000 W PoE AC (pluggable) • 1000 W PoE DC (pluggable)
Rated voltage range	• AC input (600 W/1000 W PoE AC): 100 V AC to 130 V AC, 200 V AC to 240 V AC，50/60 Hz • High-Voltage DC input: 240 V DC • DC input (1000 W PoE DC): -48 VDC to -60 V DC	• AC input (600 W/1000 W PoE AC): 100 V AC to 130 V AC, 200 V AC to 240 V AC，50/60 Hz • High-Voltage DC input: 240 V DC • DC input (1000 W PoE DC): -48 VDC to -60 V DC
Maximum voltage range	• AC input(600 W/1000 W PoE AC): 90 V AC to 290 V AC, 45 Hz to 65 Hz • High-Voltage DC input: 190 V DC to 290 V DC • DC input(1000 W PoE DC): -38.4 V DC to -72 V DC	• AC input(600 W/1000 W PoE AC): 90 V AC to 290 V AC, 45 Hz to 65 Hz • High-Voltage DC input: 190 V DC to 290 V DC • DC input(1000 W PoE DC): -38.4 V DC to -72 V DC
Maximum power consumption(input)	• 241 W (without PD&Card) • 2011 W (with PD, PD power consumption of 1687 W)	• 297 W (without PD&Card); • 2013 W (with PD, PD power consumption of 1632 W)
Operating temperature	• 0-1800 m altitude: 0°C to 45°C • 1800-5000 m altitude: The operating temperature reduces by 1ºC every time the altitude increases by 220 m.	• 0-1800 m altitude: 0°C to 45°C • 1800-5000 m altitude: The operating temperature reduces by 1ºC every time the altitude increases by 220 m.
Storage temperature	-40°C～70°C	-40°C～70°C
Relative humidity	5% to 95% (non-condensing)	5% to 95% (non-condensing)
Surge protection specification (power port)	• AC power port: ±6 kV in differential mode, ±6 kV in common mode • DC power port: ±2 kV in differential mode, ±4 kV in common mode	• AC power port: ±6 kV in differential mode, ±6 kV in common mode • DC power port: ±2 kV in differential mode, ±4 kV in common mode
Heat dissipation	Air cooling heat dissipation, intelligent speed adjustment, and pluggable fans	Air cooling heat dissipation, intelligent speed adjustment, and pluggable fans

*Note: Currently the 8*10GE SFP+ subcard works as 8*10GE SFP+, and will be changed to 2*25GE SFP28 as required in future.

Service Features

Except for special instructions, the following features are supported by CloudEngine S5732-H-V2 with N1 basic software.

Category	Service Features
User management	Unified user management
	802.1X authentication
	MAC authentication
	Traffic- and duration-based accounting
	User authorization based on user groups, domains, and time ranges
MAC	Automatic MAC address learning and aging
	128K MAC entries (MAX)
	Static, dynamic, and blackhole MAC address entries
	Source MAC address filtering
	MAC address learning limiting based on ports and VLANs
VLAN	4K VLANs
	Access mode, Trunk mode and Hybrid mode
	Default VLAN
	QinQ and enhanced selective QinQ
	VLAN Stacking
	Dynamic VLAN assignment based on MAC addresses
ARP	ARP Snooping
IP routing	IPv4 dynamic routing protocols such as RIP, OSPF, IS-IS, and BGP
	IPv6 dynamic routing protocols such as RIPng, OSPFv3, ISISv6, and BGP4+
Multicast	IGMPv1/v2/v3 and IGMP v1/v2/v3 Snooping
	PIM-DM, PIM-SM, and PIM-SSM
	Fast-leave mechanism
	Multicast traffic control
	Multicast querier
	Multicast protocol packet suppression
VXLAN	Centralized gateway
	Distributed gateway
	BGP-EVPN
	Configures VXLANs through NETCONF
QoS	Traffic classification based on Layer 2 headers, Layer 3 protocols, Layer 4 protocols, and 802.1p priority
	Actions such as ACL, Committed Access Rate (CAR), re-marking, and scheduling
	Queuing algorithms, such as PQ, DRR, and PQ+DRR
	Congestion avoidance mechanisms such as WRED and tail drop
	Traffic shaping

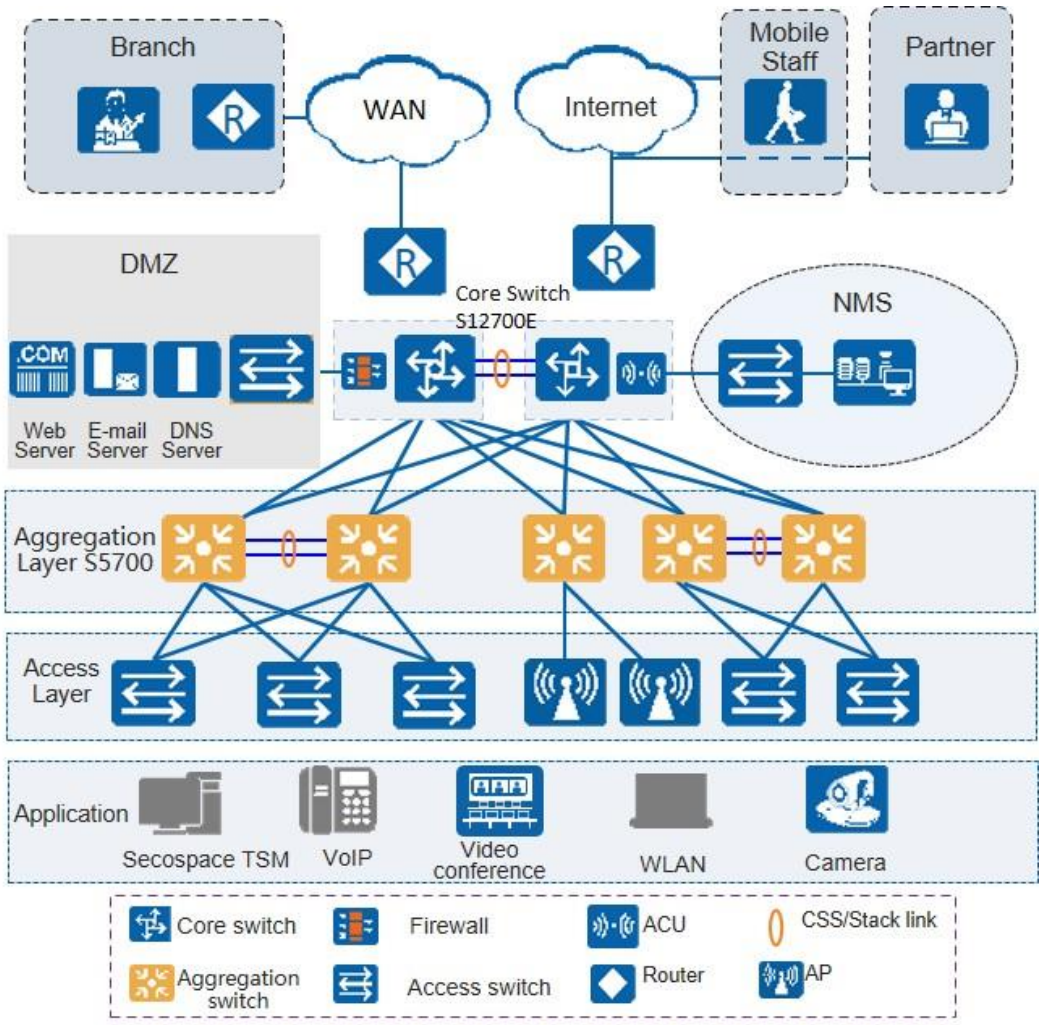
Category	Service Features
Native-IP IFIT	Marks the real service packets to obtain real-time count of dropped packets and packet loss ratio
	The statistical period can be modified
	Two-way frame delay measurement
Ethernet loop protection	STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s).
	BPDU protection, root protection, and loop protection
	G.8032 Ethernet Ring Protection Switching (ERPS)
Reliability	Service interface-based stacking
	Maximum number of stacked devices
	Stack bandwidth (Bidirectional)
	Link Aggregation Control Protocol (LACP)
	Virtual Router Redundancy Protocol (VRRP) and Bidirectional Forwarding Detection (BFD) for VRRP
	BFD for BGP/IS-IS/OSPF/static routes
	Eth-OAM 802.1ag(CFM)
	Smartlink
System management	Console terminal service
	Telnet terminal service
	SSH v1.5
	SSH v2.0
	SNMP v1/v2c/v3
	FTP、TFTP、SFTP
	BootROM upgrade and remote in-service upgrade
	Hot patch
	User operation logs
	Open Programmability System (OPS)
	Streaming Telemetry
Security and management	NAC
	RADIUS and HWTACACS authentication for login users
	Command line authority control based on user levels, preventing unauthorized users from using command configurations
	Defense against DoS attacks, Transmission Control Protocol (TCP) SYN Flood attacks, User Datagram Protocol (UDP) Flood attacks, broadcast storms, and heavy traffic attacks
	IPv6 RA Guard
	CPU hardware queues to implement hierarchical scheduling and protection for protocol packets on the control plane

Category	Service Features
	Remote Network Monitoring (RMON)
	Secure boot
	Macsec
	IPSec
	ECA
	Deception

Networking and Applications

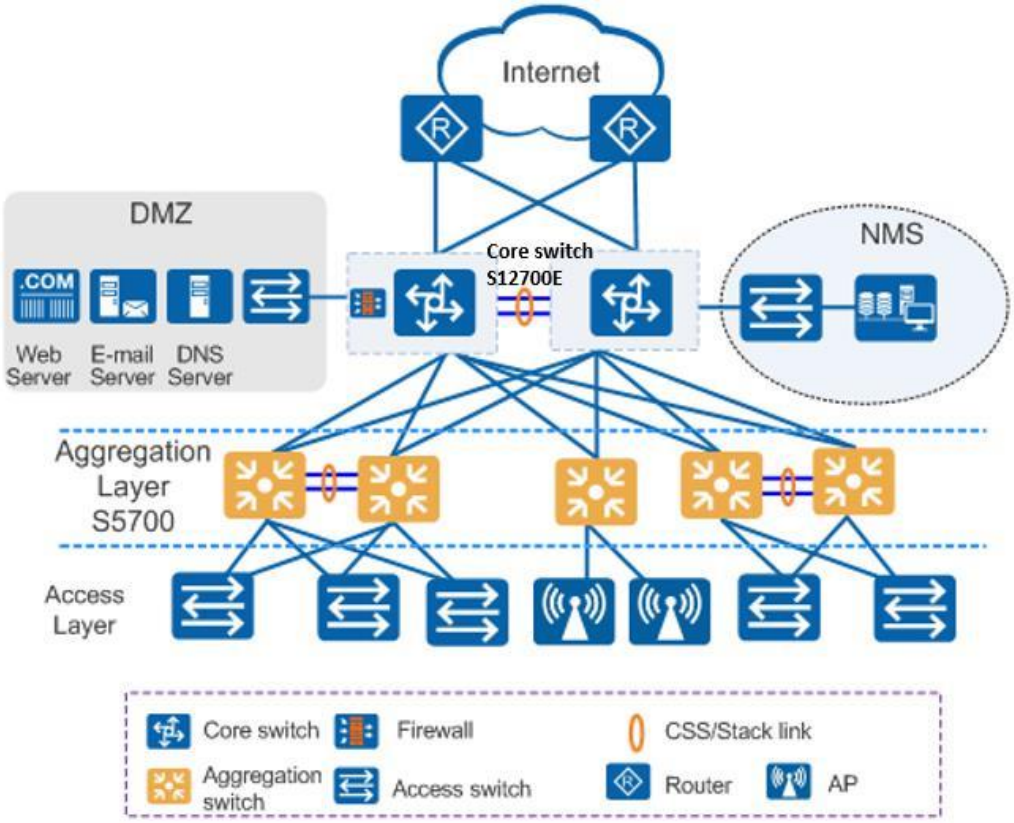
Large-Scale Enterprise Campus Network

CloudEngine S5732-H-V2 series switches can be deployed at the access layer of a campus network to build a high-performance and highly reliable enterprise network.



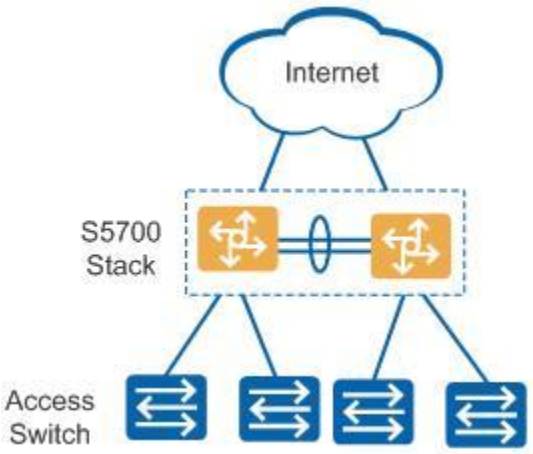
Small- or Medium-scale Enterprise Campus Network

CloudEngine S5732-H-V2 series switches can be deployed at the aggregation layer of a campus network to build a high-performance, multi-service, and highly reliable enterprise network.



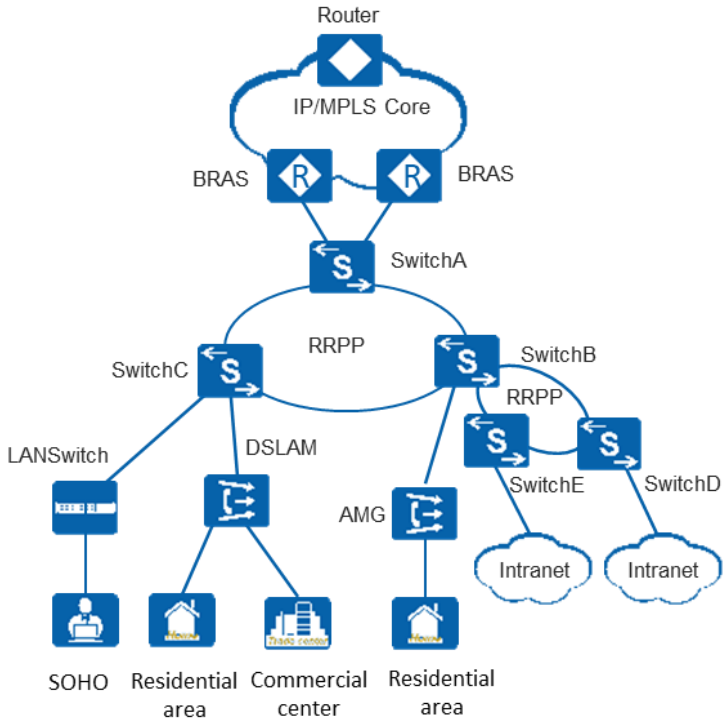
Small-scale Enterprise Campus Network

With powerful aggregation and routing capabilities of CloudEngine S5732-H-V2 series switches make them suitable for use as core switches in a small-scale enterprise network. Two or more S5732-H-V2 switches use iStack technology to ensure high reliability. They provide a variety of access control policies to achieve centralized management and simplify configuration.



Application on a MAN

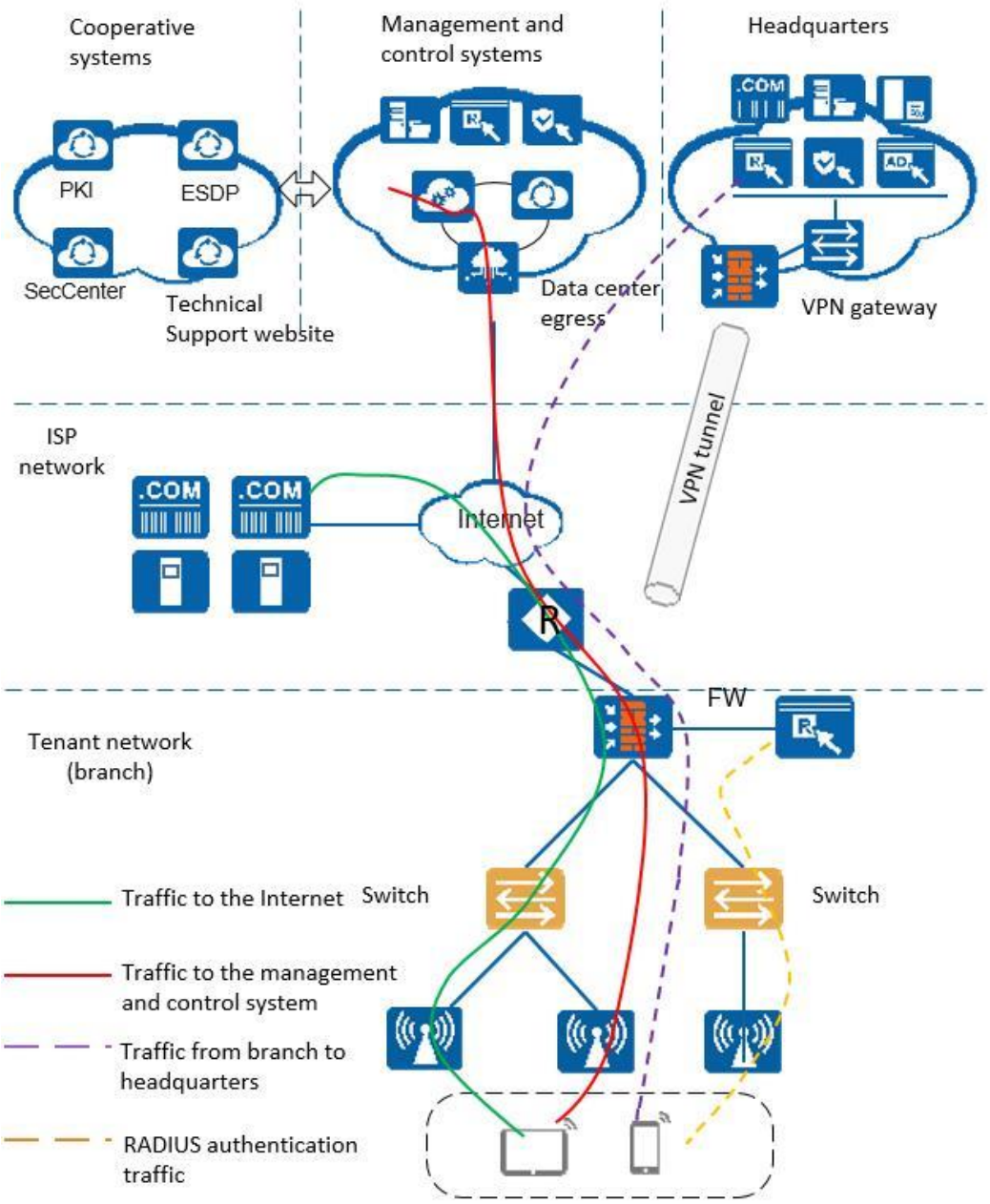
CloudEngine S5732-H-V2 series switches can be deployed at the access layer of a MAN(Metropolitan Area Network) to build a high-performance, multi-service, and highly reliable ISP MAN network.



Application in Public Cloud

CloudCampus Solution is a network solution suite based on Huawei public cloud. CloudEngine S5732-H-V2 series switches can be located at the access layer.

The switches are plug-and-play. They go online automatically after being powered on and connected with network cables, without the need for complex configurations, and use bidirectional certificate authentication to ensure management channel security. The switches provide the NETCONF and YANG interfaces, through which the management and control system delivers configurations to them. In addition, remote maintenance and fault diagnosis can be performed on the management and control system.



Ordering Information

The following table lists ordering information of the CloudEngine S5732-H-V2 series switches.

Model	Product Description
CloudEngine S5732-H24UM4Y2CZ-V2	S5732-H24UM4Y2CZ-V2 2.5G Bundle(24*100M/1G/2.5G Ethernet ports, Optional RTU upgrade to 5/10G, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, without power module)
CloudEngine S5732-H24UM4Y2CZ-V2	S5732-H24UM4Y2CZ-V2 5G Bundle(24*100M/1G/2.5G/5G Ethernet ports, Optional RTU upgrade to 10G, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, without power module)
CloudEngine S5732-H24UM4Y2CZ-V2	S5732-H24UM4Y2CZ-V2 10G Bundle(24*100M/1G/2.5G/5G/10G Ethernet ports, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, without power module)
CloudEngine S5732-H24UM4Y2CZ-TV2	S5732-H24UM4Y2CZ-TV2 2.5G Bundle(24*100M/1G/2.5G Ethernet ports, Optional RTU upgrade to 5/10G, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, HTM, without

Model	Product Description
	power module)
CloudEngine S5732-H24UM4Y2CZ-TV2	S5732-H24UM4Y2CZ-TV2 2.5&10G Bundle(12*100M/1G/2.5G, 12*100M/1G/2.5G/5G/10G Ethernet ports, Optional RTU upgrade to 5/10G, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, HTM, without power module)
CloudEngine S5732-H24UM4Y2CZ-TV2	S5732-H24UM4Y2CZ-TV2 5G Bundle(24*100M/1G/2.5G/5G Ethernet ports, Optional RTU upgrade to 10G, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, HTM, without power module)
CloudEngine S5732-H24UM4Y2CZ-TV2	S5732-H24UM4Y2CZ-TV2 10G Bundle(24*100M/1G/2.5G/5G/10G Ethernet ports, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, HTM, without power module)
S5732-H48UM4Y2CZ-V2	S5732-H48UM4Y2CZ-V2 2.5G Bundle(48*100M/1G/2.5G Ethernet ports, Optional RTU upgrade to 5/10G, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, without power module)
S5732-H48UM4Y2CZ-V2	S5732-H48UM4Y2CZ-V2 5G Bundle(48*100M/1G/2.5G/5G Ethernet ports, Optional RTU upgrade to 10G, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, without power module)
S5732-H48UM4Y2CZ-V2	S5732-H48UM4Y2CZ-V2 10G Bundle(48*100M/1G/2.5G/5G/10G Ethernet ports, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, without power module)
S5732-H48UM4Y2CZ-TV2	S5732-H48UM4Y2CZ-TV2 2.5G Bundle(48*100M/1G/2.5G Ethernet ports, Optional RTU upgrade to 5/10G, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, HTM, without power module)
S5732-H48UM4Y2CZ-TV2	S5732-H48UM4Y2CZ-TV2 2.5&10G Bundle(36*100M/1G/2.5G, 12*100M/1G/2.5G/5G/10G Ethernet ports, Optional RTU upgrade to 5/10G, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, HTM, without power module)
S5732-H48UM4Y2CZ-TV2	S5732-H48UM4Y2CZ-TV2 5G Bundle(48*100M/1G/2.5G/5G Ethernet ports, Optional RTU upgrade to 10G, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, HTM, without power module)
S5732-H48UM4Y2CZ-TV2	S5732-H48UM4Y2CZ-TV2 10G Bundle(48*100M/1G/2.5G/5G/10G Ethernet ports, 4*10/25GE SFP28, 2*40/100GE QSFP28 ports, 1*expansion slot, PoE++, HTM,without power module)
S7X08000	8-port 10GE SFP+ interface card
PAC600S56-CB	600 W AC Power Module
PAC1000S56-DB	1000 W AC PoE power module
PAC1000S56-CB	1000 W AC PoE power module
PDC1000S56-CB	1000 W DC PoE power module
FAN-031A-B	Fan module
L-2.5GUPG5G-S57H	S57-H series, 2.5G to 5G Electronic RTU License, 12-port
L-2.5GUPG10G-S57H	S57-H series, 2.5G to 10G Electronic RTU License, 12-port
L-5GUPG10G-S57H	S57-H series, 5G to 10G Electronic RTU License, 12-port
L-VxLAN-S57	S57 Series, VxLAN License, Per Device
N1-S57H-M-Lic	S57XX-H Series Basic SW,Per Device
N1-S57H-M-SnS1Y	S57XX-H Series Basic SW,SnS,Per Device,1Year
N1-S57H-F-Lic	N1-CloudCampus,Foundation,S57XX-H Series,Per Device
N1-S57H-F-SnS1Y	N1-CloudCampus,Foundation,S57XX-H Series,SnS,Per Device,1Year

Model	Product Description
N1-S57H-A-Lic	N1-CloudCampus,Advanced,S57XX-H Series,Per Device
N1-S57H-A-SnS1Y	N1-CloudCampus,Advanced,S57XX-H Series,SnS,Per Device,1Year
N1-S57H-FToA-Lic	N1-Upgrade-Foundation to Advanced,S57XX-H,Per Device
N1-S57H-FToA-SnS1Y	N1-Upgrade-Foundation to Advanced,S57XX-H,SnS,Per Device,1Year

More Information

For more information about Huawei Campus Switches, visit http://e.huawei.com or contact us in the following ways:

- Global service hotline: http://e.huawei.com/en/service-hotline
- Logging in to the Huawei Enterprise technical support website: http://support.huawei.com/enterprise/
- Sending an email to the customer service mailbox: support_e@huawei.com

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