

Huawei CloudEngine S5735I-S-V2 Series Industry Switches (Rack-mounted) Datasheet

Huawei CloudEngine S5735I-S-V2 series industry switches are standard industry switches that provide GE downlink ports and GE, 10GE SFP+ uplink ports.

Introduction

Huawei CloudEngine S5735I-S-V2 series industry switches (S5735I-S-V2 for short) are next-generation standard Layer 3 gigabit switches that provide flexible all-gigabit access and GE/10GE uplink ports.

Industry switches have an industrial-grade operating temperature range as well as professional outdoor surge protection to withstand harsh outdoor environments. As such, they can be widely used in ultra-broadband operating temperature scenarios, such as smart manufacturing, smart mining, smart transportation, safe city, and electric power.

Product Overview

Models and Appearances

The following models are available in the CloudEngine S5735I-S-V2 series.

Models and appearances of the CloudEngine S5735I-S-V2 series

Models and Appearances Description 16 x 10/100/1000Base-T Ethernet ports, 8 x GE SFP ports, 4 x 10GE SFP+ ports, 2 x 12GE stack ports, 1 x DI/DO Built-in Dual DC CloudEngine S5735I-S16T8S4XE-QD-V2 Forwarding performance: 132 Mpps Switching capacity*:176 Gbps/520 Gbps 24 x 10/100/1000Base-T Ethernet ports, 8 x GE SFP ports, 4 x 10GE SFP+ ports, 2 x 12GE stack ports, 1 x DI/DO Built-in Dual AC CloudEngine S5735I-S24T8S4XE-QA-V2 Forwarding performance: 144 Mpps Switching capacity*:192 Gbps/520 Gbps

*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.

Product Features and Highlights

Powerful Service Processing Capability

- CloudEngine S5735I-S-V2 supports a broad set of Layer 2/Layer 3 multicast protocols, such as PIM SM, PIM DM, PIM SSM, and IGMP snooping. This capability is ideal for high-definition video backhaul and video conferencing access.
- CloudEngine S5735I-S-V2 provides multiple Layer 3 features including OSPF, IS-IS, BGP, and VRRP, meeting enterprises' access and aggregation service needs and enabling a variety of voice, video, and data applications.

Multiple Security Control Mechanisms

- CloudEngine S5735I-S-V2 supports MAC address authentication, 802.1X authentication, and implements dynamic delivery of policies (VLAN, QoS, and ACL) to users.
- CloudEngine S5735I-S-V2 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 changing of the DHCP CHADDR value.
- CloudEngine S5735I-S-V2 sets up and maintains a DHCP snooping binding table, and discards the packets that do not match the table entries. The DHCP snooping trusted port feature ensures that users connect only to the authorized DHCP server.
- CloudEngine S5735I-S-V2 supports strict ARP learning, which protects a network against ARP spoofing attacks to ensure that users can connect to the Internet normally.
- CloudEngine S5735I-H-V2 supports policy association, user permission policy management and policy execution, and user permission association switchover based on the authentication status.

Multiple Reliability Mechanisms

- CloudEngine S5735I-S-V2 supports a single power module or two power modules. When two power modules are used, the power modules work in 1+1 backup mode.
- In addition to traditional Spanning Tree Protocol (STP), Rapid Spanning Tree Protocol (RSTP), and Multiple Spanning Tree Protocol (MSTP), the CloudEngineS5735I-S-V2 supports Huawei-developed Smart Ethernet Protection (SEP) technology and the latest Ethernet Ring Protection Switching (ERPS) standard. ERPS is defined in ITU-T G.8032. It implements 20ms fast protection switching based on traditional Ethernet MAC and bridging functions.
- CloudEngine S5735I-S-V2 supports Smart Link, which implements backup of uplinks. One CloudEngine S5735I-S switch can connect to multiple aggregation switches through multiple links, significantly improving reliability of access devices.

Easy Network deployment

• CloudEngine S5735I-S-V2 supports Huawei Easy Operation, a solution that provides zero-touch deployment, replacement of faulty devices without additional configuration, USB-based deployment, batch device configuration, and batch remote upgrade. The capabilities facilitate device deployment, upgrade, service provisioning, and other management and maintenance operations, and also greatly reduce O&M costs. CloudEngine S5735I-S-V2 can be managed using SNMP v1/v2c/v3, CLI, webbased network management system, or SSH v2.0. Additionally, it supports RMON, multiple log hosts, port traffic statistics collection, and network quality analysis, which facilitate network optimization and reconstruction.

Mature IPv6 Technologies

- CloudEngine S5735I-S-V2 supports IPv4/IPv6 dual stack, IPv6 RIPng, BGP4+, OSPFv3.
- CloudEngine S5735I-S-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)

- CloudEngine S5735I-S-V2 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. CloudEngine S5735I-S-V2 support stacking through electrical ports.

Network Slicing Functions

• CloudEngine S5735I-S-V2 provides a range of VLAN slicing functions to meet diversified SLA requirements of different services and customers. Service isolation and bandwidth guarantee are implemented based on QoS. Slices can be completely isolated from each other without affecting each other. Traffic is isolated at the physical layer, and network slicing is performed for services on the same physical network. The Network Slicing technology can be used at the access, aggregation, and core layers to meet differentiated SLA requirements of new services on campus networks.

Intelligent O&M

• CloudEngine S5735I-S-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.

Intelligent Upgrade

- CloudEngine S5735I-S-V2 supports the intelligent upgrade feature. Specifically, CloudEngine S5735I-S-V2 obtains the version upgrade path and downloads 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.

NCE Management

- The Huawei NCE Campus 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 NCE Campus 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).

OPS(Open Programmability System)

• CloudEngine S5735I-S-V2 supports Open Programmability System (OPS), an open programmable system based on the Python language. IT administrators can program the O&M functions of a CloudEngine S5735I-S-V2 switch through Python scripts to quickly innovate functions and implement intelligent O&M.

Licensing

CloudEngine S5735I-S-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:	V	√	V
Layer 2 functions, IPv4, IPv6 and others			
Note: For details, see the Service Features			
Basic network automation based on the iMaster NCE-Campus:	×	V	٧

Switch Functions	N1 Basic Software	N1 Foundation Software Package	N1 Advanced Software Package
 NE management: Device management, topology management and discovery User access authentication 			
Advanced network automation and intelligent O&M: IPCA, CampusInsight basic functions	×	×	V

Product Specifications

Functions and Features

Item	Description
MAC address	IEEE 802.1d compliance
table	32K MAC entries
	MAC address learning and aging
	Static, dynamic, and blackhole MAC address entries
	Packet filtering based on source MAC addresses
VLAN	4094 VLANs
	Voice VLAN
	MUX VLAN
	VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and ports
	VLAN Stacking, VLAN mapping
Reliability	Smart Link tree topology and Smart Link multi-instance, providing millisecond-level protection switchover
	SEP
	STP (IEEE 802.1d), RSTP (IEEE 802.1w), and MSTP (IEEE 802.1s)
	ERPS (G.8032)
	BPDU protection, root protection, and loop protection
	LBDT
	Y.1731
IP routing	Static route, RIPv1/v2, RIPng, OSPF, OSPFv3, ECMP, IS-IS, IS-ISv6, BGP, BGP4+, VRRP, and VRRP6
	Up to 8192 FIBv4 entries
	Up to 3072 FIBv6 entries
IPv6 features	Up to 3072 ND entries
	Path MTU (PMTU)
	IPv6 ping, IPv6 tracert, and IPv6 Telnet
Multicast	PIM DM, PIM SM, PIM SSM, , PIMv6

Item	Description
	IGMP v1/v2/v3, IGMP v1/v2/v3 snooping and IGMP fast leave
	Multicast load balancing among member ports of a trunk
	Port-based multicast traffic statistics
QoS/ACL	Rate limiting on packets sent and received by a port
	Packet redirection
	Port-based traffic policing and two-rate three-color CAR
	Eight queues on each port
	DRR, SP and DRR+SP queue scheduling algorithms
	Re-marking of the 802.1p priority and DSCP priority
	Packet filtering at Layer 2 to Layer 4, filtering out invalid frames based on the source MAC address, destination MAC address, source IP address, destination IP address, TCP/UDP port number, protocol type, and VLAN ID
	Rate limiting in each queue and traffic shaping on ports
	Profinet RT, Ethernet/IP, Modbus TCP, OPC UA and GOOSE mainstream industrial protocol forwarding
	Network Slicing (VLAN)
Security	Hierarchical user management and password protection
	DoS attack defense, ARP attack defense, and ICMP attack defense
	Binding of the IP address, MAC address, port number, and VLAN ID
	Port isolation, port security, and sticky MAC
	Blackhole MAC address entries
	Limit on the number of learned MAC addresses
	IEEE 802.1x authentication and limit on the number of users on a port
	AAA authentication, RADIUS authentication, HWTACACS authentication, and NAC
	SSH v2.0
	HTTPS
	CPU defense
	Blacklist and whitelist
	IEEE 802.1x authentication, MAC address authentication
	DHCPv4 client/relay/server/snooping
	DHCPv6 client/relay
	Attack source tracing and punishment for IPv6 packets such as ND, DHCPv6
	ND snooping
Management	iStack
and maintenance	NCE Campus management based on Netconf/Yang
	Virtual cable test

Item	Description
	SNMP v1/v2c/v3
	RMON
	Web-based NMS
	System logs and alarms of different levels
	802.3az EEE
	GVRP
	iPCA、sFlow、NQA、Telemetry
Interoperability	Supports VBST (Compatible with PVST/PVST+/RPVST)

Hardware Specifications

Item		S5735I-S16T8S4XE-QD-V2	S5735I-S24T8S4XE-QA-V2
Physical specifications	Dimensions (H x W x D, mm)	43.6 mm x 442 mm x 335 mm	43.6 mm x 442 mm x 335 mm
	Chassis weight (including packaging)	6.74kg	7.16kg
Fixed port	GE port	16	8
	GE SFP port	8	NA
	10GE SFP+ port	4	4
	Dedicated 12GE stack port	2	2
Management port	Console port (RJ45)	Supported	Supported
	USB port	Not supported	USB 2.0
CPU	Frequency	1.1 GHz	1.1 GHz
	Cores	2	2
Storage	Memory (RAM)	2 GB	2 GB
	Flash memory	1 GB in total. To view the available flash memory size, run the display	1 GB in total. To view the available flash memory size, run the display
Power supply	Power supply type	Built-in Dual DC	Built-in Dual AC
system	Rated voltage range	DC input: 24V DC∼48V DC	 AC input: 100V~240V AC, 50/60Hz HVDC input: 110V~250V DC
	Maximum voltage range	DC input: 18V DC∼60V DC	 AC input: 90V~264V AC, 47~63Hz HVDC input: 88V~300V DC
	Maximum input current	2 A	2 A
	Maximum power consumption of the device	38 W	44 W
	Typical power consumption	21.1W	33 W

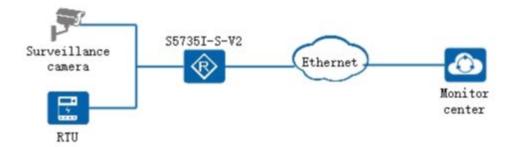
Item		S5735I-S16T8S4XE-QD-V2	S5735I-S24T8S4XE-QA-V2
Heat dissipation	Heat dissipation mode	Natural heat dissipation	Natural heat dissipation
system	Number of fan modules	0	0
	Airflow	NA	NA
	Maximum heat dissipation of the device (BTU/hour)	129.7	150.2
Environment parameters	Long-term operating temperature	0–1800 m altitude, industry optical modules:	0–1800 m altitude, industry optical modules:
		-40°C to +65°C (installed in the sealing cabinet)	-40°C to +65°C (installed in the sealing cabinet)
		-40°C to +70°C (installed in the ventilation cabinet, with the wind speed of at least 80 LFM)	-40°C to +70°C (installed in the ventilation cabinet, with the wind speed of at least 40 LFM)
		-40°C to +75°C (installed in the ventilation cabinet shipped with fans running at a speed of at least 200 LFM)	-40°C to +75°C (installed in the ventilation cabinet shipped with fans running at a speed of at least 200 LFM)
	Short-term operating temperature ³	NA	NA
	Storage temperature	-40°C to +85°C	-40°C to +85°C
	Relative humidity	5% to 95% (non-condensing)	5% to 95% (non-condensing)
	Operating altitude	5000 m	5000 m
	Noise under normal temperature (sound power)	Noise-free (no fans)	Noise-free (no fans)
	Noise under high temperature (sound power)	Noise-free (no fans)	Noise-free (no fans)
	Noise under normal temperature (sound pressure)	Noise-free (no fans)	Noise-free (no fans)
	Ingress protection level	IP40	IP40
	Surge protection specification (power port)	±2 kV in differential mode, ±4 kV in common mode	±6 kV in differential mode, ±4 kV in common mode
Reliability	MTBF (year) ²	49.9	50.5
	MTTR (hour)	2	2
	Availability	> 0.99999	> 0.99999
Certification		EMC certificationSafety certificationManufacturing certification	EMC certificationSafety certificationManufacturing certification

^{*}Note:The maximum PoE output power varies with the temperature. For details, check the product documentation.

Networking and Applications

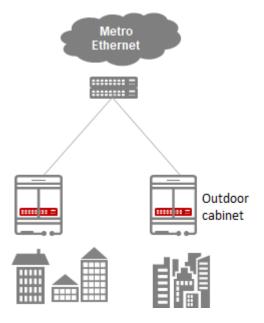
Video surveillance application, outdoor cabinet

CloudEngine S5735I-S-V2 series switches supports extended operating temperature range, IP40 protection rating, suitable for outdoor environment. CloudEngine S5735I-S-V2 series switch can be used for safe city scenario to provide remote access for the camera.



ETTx scenario

CloudEngine S5735I-S-V2 series switches supports extended operating temperature and provides GE access and 10GE uplinks for ETTx access scenarios.



Safety and Regulatory Compliance

Certification Category	Description
Certification Standards	 CE (EN 55032 \ EN 55035 \ EN 300386 \ EN62368-1 \) NRTL (UL62368-1) IC (ICES-003) RCM (AS/NZS CIPSR32) IEC61850-3/IEEE1613 CQC (GB4943,GB9254) VCCI (VCCI-CISPR 32) RoHS&REACH&WEEE SDOC

Certification Category	Description
Vibration and shock, environmental testing	 IEC61850-3 IEEE1613 EN 50121-3-2 EN 50125-3 NEMA TS2 ISTA 2A-2011 IEC 60068-2-64 IEC 60068-2-27 IEC 60068-2-31 ETSI EN 300 019-2-2
EMC	 EN 55032, CLASS A EN 55035, CLASS A IEEE1613 EN61850-3 EN 50121-1 EN 50121-4 EN 61000-3-2 EN 61000-3-3 AS/NZS CISPR 32 CLASS A CISPR 32 CISPR 35 VCCI-CISPR 32, CLASS A FCC CFR Title 47, Part 15, Subpart B, Class A ICES-003 Issue 7 CLASS A ETSI EN 300386 IEC 61000-4-2 (ESD IEC 61000-4-3 (RS) IEC 61000-4-6 (Surge) IEC 61000-4-8 IEC 61000-4-10 IEC 61000-4-16 Conducted CM Disturbances (30V, Cont/ 300V, 1 sec) IEC 61000-4-18 Damped Oscillatory Wave (2.5kV, 1MHz) IEC 61000-4-29 DC Voltage Dips and Interruptions
Safety	 EN 62368-1 UL 62368-1 IEC 62368-1 IEC 61850-3/IEEE 1613
Environment	 ETSI EN 300 019-2-1 ETSI EN 300 019-2-3 IEC 60068-2-1

Certification Category	Description
	• IEC 60068-2-2
	• IEC 60068-2-14
	• IEC 60068-2-78
	• IEC 60068-2-30
	• IEC 60068-2-39

■ NOTE

- EMC: electromagnetic compatibility
- CISPR: International Special Committee on Radio Interference
- EN: European Standard
- ETSI: European Telecommunications Standards Institute
- CFR: Code of Federal Regulations
- FCC: Federal Communication Commission
- IEC: International Electrotechnical Commission
- AS/NZS: Australian/New Zealand Standard
- VCCI: Voluntary Control Council for Interference
- UL: Underwriters Laboratories
- CSA: Canadian Standards Association
- IEEE: Institute of Electrical and Electronics Engineers
- RoHS: restriction of the use of certain hazardous substances
- REACH: Registration Evaluation Authorization and Restriction of Chemicals
- WEEE: Waste Electrical and Electronic Equipment

MIB and Standards Compliance

Supported MIBs

Category	MIB
Public MIB	 BRIDGE-MIB DISMAN-NSLOOKUP-MIB DISMAN-PING-MIB DISMAN-TRACEROUTE-MIB ENTITY-MIB EtherLike-MIB IF-MIB IP-FORWARD-MIB IPV6-MIB LAG-MIB LLDP-EXT-DOT1-MIB LLDP-EXT-DOT3-MIB LLDP-MIB NOTIFICATION-LOG-MIB NQA-MIB OSPF-TRAP-MIB P-BRIDGE-MIB Q-BRIDGE-MIB

Category	MIB
	RFC1213-MIB
	RIPv2-MIB
	RMON-MIB
	SAVI-MIB
	SNMP-FRAMEWORK-MIB
	SNMP-MPD-MIB
	SNMP-NOTIFICATION-MIB
	SNMP-TARGET-MIB
	SNMP-USER-BASED-SM-MIB
	SNMPv2-MIB
	SNMPv3-MIB
	TCP-MIB
	• UDP-MIB
Huawei-proprietary MIB	HUAWEI-AAA-MIB
	HUAWEI-ACL-MIB
	HUAWEI-ALARM-MIB
	HUAWEI-ALARM-RELIABILITY-MIB
	HUAWEI-BASE-TRAP-MIB
	HUAWEI-BRAS-RADIUS-MIB
	HUAWEI-BRAS-SRVCFG-EAP-MIB
	HUAWEI-BRAS-SRVCFG-STATICUSER-MIB
	HUAWEI-CBQOS-MIB
	HUAWEI-CDP-COMPLIANCE-MIB
	HUAWEI-CONFIG-MAN-MIB
	HUAWEI-CPU-MIB
	HUAWEI-DAD-TRAP-MIB
	HUAWEI-DC-MIB
	HUAWEI-DATASYNC-MIB
	HUAWEI-DEVICE-MIB
	HUAWEI-DHCPR-MIB
	HUAWEI-DHCPS-MIB
	HUAWEI-DHCP-SNOOPING-MIB
	HUAWEI-DIE-MIB HUAWEI-DIO MID
	HUAWEI-DNS-MIB
	HUAWEI-DLDP-MIB HUAWEI-ELMI-MID
	HUAWEI-ELMI-MIB HUAWEI-EDBS MIB
	HUAWEI-ERPORDOWN MIR
	HUAWEI-ERRORDOWN-MIB HUAWEI-ENERGYMNGT-MIB
	HUAWEI-ENERGYWINGT-WIIB HUAWEI-EASY-OPERATION-MIB
	HUAWEI-EAST-OPERATION-MIB HUAWEI-ENTITY-EXTENT-MIB
	HUAWEI-ENTITY-TRAP-MIB
	HUAWEI-ETHARP-MIB
	HUAWEI-ETHOAM-MIB
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Category	MIB
	HUAWEI-FLASH-MAN-MIB
	HUAWEI-FWD-RES-TRAP-MIB
	HUAWEI-GARP-APP-MIB
	HUAWEI-GTSM-MIB
	HUAWEI-HGMP-MIB
	HUAWEI-HWTACACS-MIB
	HUAWEI-IF-EXT-MIB
	HUAWEI-INFOCENTER-MIB
	HUAWEI-IPPOOL-MIB
	HUAWEI-IPV6-MIB
	HUAWEI-ISOLATE-MIB
	HUAWEI-L2IF-MIB
	HUAWEI-L2MAM-MIB
	HUAWEI-L2VLAN-MIB
	HUAWEI_LDT-MIB
	HUAWEI-LLDP-MIB
	HUAWEI-MAC-AUTHEN-MIB
	HUAWEI-MEMORY-MIB
	HUAWEI-MFF-MIB
	HUAWEI-MFLP-MIB
	HUAWEI-MSTP-MIB
	HUAWEI-MULTICAST-MIB
	HUAWEI-NAP-MIB
	HUAWEI-NTPV3-MIB
	HUAWEI-PERFORMANCE-MIB
	HUAWEI-PORT-MIB
	HUAWEI-PORTAL-MIB
	HUAWEI-QINQ-MIB
	HUAWEI-RIPv2-EXT-MIB
	HUAWEI-RM-EXT-MIB
	HUAWEI-RRPP-MIB
	HUAWEI-SECURITY-MIB
	HUAWEI-SEP-MIB
	HUAWEI-SNMP-EXT-MIB
	HUAWEI-SSH-MIB
	HUAWEI-STACK-MIB
	HUAWEI-SWITCH-L2MAM-EXT-MIB
	HUAWEI-SWITCH-SRV-TRAP-MIB
	HUAWEI-SYS-MAN-MIB
	HUAWEI-TCP-MIB
	HUAWEI-TFTPC-MIB
	HUAWEI-TRNG-MIB
	HUAWEI-XQOS-MIB

Standard Compliance

Standard	Standard or Brotocol
Standard Organization	Standard or Protocol
	DEC 700 Hear Deterrory Protected (HDD)
IETF	RFC 768 User Datagram Protocol (UDP) RFC 703 Internet Control Magazina Protocol (ICMP)
	RFC 792 Internet Control Message Protocol (ICMP) RFC 703 Transmission Control Brotocol (TCP)
	RFC 793 Transmission Control Protocol (TCP) RFC 896 Etherret Address Resolution Protocol (ARR)
	RFC 826 Ethernet Address Resolution Protocol (ARP) RFC 824 Talant Protocol Consideration
	RFC 854 Telnet Protocol Specification RFC 854 Restation Protocol (ROOTR)
	RFC 951 Bootstrap Protocol (BOOTP) RFC 950 File Temperary (BROTO)
	RFC 959 File Transfer Protocol (FTP) RFC 4050 Reuting Information Protocol (RIP)
	RFC 1058 Routing Information Protocol (RIP) RFC 1440 Uset extensions for ID multiposting.
	RFC 1112 Host extensions for IP multicasting RFC 14457 A Giranla Natural Management Brotocol (CNIMB)
	RFC 1157 A Simple Network Management Protocol (SNMP)
	RFC 1256 ICMP Router Discovery RFC 1256 ICMP Router Discovery RFC 1256 ICMP Router Discovery
	RFC 1305 Network Time Protocol Version 3 (NTP) RFC 1305 Network Protocol Version 3 (NTP)
	RFC 1349 Internet Protocol (IP) RFC 1403 Definitions of Managed Objects for Bridges
	RFC 1493 Definitions of Managed Objects for Bridges RFC 4543 Clarifications and Extensions for the Restators Protection.
	RFC 1542 Clarifications and Extensions for the Bootstrap Protocol
	RFC 1643 Ethernet Interface MIB RFC 4757 Paraeta Naturalia Magitaring (RMON)
	RFC 1757 Remote Network Monitoring (RMON) RFC 4004 Is translated in the Community to be and CNMD: 0
	RFC 1901 Introduction to Community-based SNMPv2
	• RFC 1902-1907 SNMP v2
	RFC 1981 Path MTU Discovery for IP version 6 RFC 2444 Pure trial Heat Coefficient for Protect (PHOP)
	RFC 2131 Dynamic Host Configuration Protocol (DHCP) RFC 2000 CORF Version 0
	RFC 2328 OSPF Version 2
	• RFC 2453 RIP Version 2
	RFC 2460 Internet Protocol, Version 6 Specification (IPv6) RFC 2464 Naighbor Protocol, Version 6 (IPv6)
	RFC 2461 Neighbor Discovery for IP Version 6 (IPv6) RFC 2462 IPv6 Statutes Address Autoparation
	RFC 2462 IPv6 Stateless Address Auto configuration RFC 2462 Internation RFC 2462 Internation
	RFC 2463 Internet Control Message Protocol for IPv6 (ICMPv6) RFC 2474 Differentiated Continue Field (DC Field)
	RFC 2474 Differentiated Services Field (DS Field) RFC 2740 CORF (av. ID-C (CORF-12))
	RFC 2740 OSPF for IPv6 (OSPFv3) DFC 2000 The Interference Organ MID
	RFC 2863 The Interfaces Group MIB RFC 2863 The Interfaces Group MIB
	RFC 2597 Assured Forwarding PHB Group
	RFC 2598 An Expedited Forwarding PHB
	RFC 2571 SNMP Management Frameworks
	RFC 2865 Remote Authentication Dial In User Service (RADIUS)
	RFC 3046 DHCP Option82 RFC 3076 Internet Crown Management Protectal Version 3 (ICMP):3)
	RFC 3376 Internet Group Management Protocol, Version 3 (IGMPv3) RFC 3543 IR Version C Addressing Architecture
	RFC 3513 IP Version 6 Addressing Architecture RFC 3513 IP Version 6 Addressing Architecture
	RFC 3579 RADIUS Support For EAP RFC 4574 A R. J. J. G. J.
	RFC 4271 A Border Gateway Protocol 4 (BGP-4) RFC 4700 Multiparts and Estampians for BOR 4
	RFC 4760 Multiprotocol Extensions for BGP-4 Alasti was at taking a CARA CARA
	draft-grant-tacacs-02 TACACS+
IEEE	IEEE 802.1D Media Access Control (MAC) Bridges

Standard Organization	Standard or Protocol
	IEEE 802.1p Traffic Class Expediting and Dynamic Multicast Filtering
	IEEE 802.1Q Virtual Bridged Local Area Networks
	IEEE 802.1ad Provider Bridges
	IEEE 802.2 Logical Link Control
	IEEE Std 802.3 CSMA/CD
	IEEE Std 802.3ab 1000BASE-T specification
	IEEE Std 802.3ad Aggregation of Multiple Link Segments
	IEEE Std 802.3ae 10GE WEN/LAN Standard
	IEEE Std 802.3x Full Duplex and flow control
	IEEE Std 802.3z Gigabit Ethernet Standard
	IEEE802.1ax/IEEE802.3ad Link Aggregation
	IEEE 802.1ab Link Layer Discovery Protocol
	IEEE 802.1D Spanning Tree Protocol
	IEEE 802.1w Rapid Spanning Tree Protocol
	IEEE 802.1s Multiple Spanning Tree Protocol
	IEEE 802.1x Port based network access control protocol
	IEEE 802.3af DTE Power via MIDI
	IEEE 802.3at DTE Power via the MDI Enhancements
ITU	ITU SG13 Y.17ethoam
	ITU SG13 QoS control Ethernet-Based IP Access
	ITU-T Y.1731 ETH OAM performance monitor
ISO	ISO 10589 IS-IS Routing Protocol
MEF	MEF 2 Requirements and Framework for Ethernet Service Protection
	MEF 9 Abstract Test Suite for Ethernet Services at the UNI
	MEF 10.2 Ethernet Services Attributes Phase 2
	MEF 11 UNI Requirements and Framework
	MEF 13 UNI Type 1 Implementation Agreement
	MEF 15 Requirements for Management of Metro Ethernet Phase 1 Network Elements
	MEF 17 Service OAM Framework and Requirements
	MEF 20 UNI Type 2 Implementation Agreement
	MEF 23 Class of Service Phase 1 Implementation Agreement
	XMODEM/YMODEM Protocol Reference

Ordering Information

The following table lists ordering information of the CloudEngine S5735I-S-V2 series switches.

Model	Product Description
CloudEngine S5735I- S16T8S4XE-QD-V2	CloudEngine S5735I-S16T8S4XE-QD-V2(16*10/100/1000BASE-T ports, 8*GE SFP ports,4*10GE SFP+ ports, 2*12.5GE stack ports, Rack Mounting, Dual DC 18-60V power, Fanless)
CloudEngine S5735I- S24T8S4XE-QA-V2	CloudEngine S5735I-S24T8S4XE-QA-V2(24*10/100/1000BASE-T ports, 8*GE SFP ports, 4*10GE SFP+ ports, 2*12.5GE stack ports, Rack Mounting, Dual AC power, Fanless)

Model	Product Description
N1-S57S-M-Lic	S57XX-S Series Basic SW,Per Device
N1-S57S-M-SnS1Y	S57XX-S Series Basic SW,SnS,Per Device,1Year
N1-S57S-F-Lic	N1-CloudCampus,Foundation,S57XX-S Series,Per Device
N1-S57S-F-SnS1Y	N1-CloudCampus,Foundation,S57XX-S Series,SnS,Per Device,1Year
N1-S57S-A-Lic	N1-CloudCampus,Advanced,S57XX-S Series,Per Device
N1-S57S-A-SnS1Y	N1-CloudCampus,Advanced,S57XX-S Series,SnS,Per Device,1Year
N1-S57S-FToA-Lic	N1-Upgrade-Foundation to Advanced,S57XX-S,Per Device
N1-S57S-FToA-SnS1Y	N1-Upgrade-Foundation to Advanced,S57XX-S,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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