CloudEngine S5755-H-G Series Switch

Product Appearance	Description
CloudEngine S5755-H24T4Y2CZ-G	· 24*10/100/1000M Base-T Ethernet ports, 4*1/10/25GE SFP28, 2*40/100GE QSFP28* · 2 expansion slots · Support 1+1 power backup · Packet Forwarding Rate: 786Mpps · Switching Capacity: 2.56/25.6Tbps
CloudEngine S5755-H24P4Y2CZ-G	· 24*10/100/1000M Base-T Ethernet ports, 4*1/10/25GE SFP28, 2*40/100GE QSFP28* · 2 expansion slots · PoE+ · Support N+1 power backup · Packet Forwarding Rate: 786Mpps · Switching Capacity: 2.56/25.6Tbps
CloudEngine S5755-H24U4Y2CZ-G	· 24*10/100/1000M Base-T Ethernet ports, 4*1/10/25GE SFP28, 2*40/100GE QSFP28* · 2 expansion slots · PoE++ · Support N+1 power backup · Packet Forwarding Rate: 786Mpps · Switching Capacity: 2.56/25.6Tbps
CloudEngine S5755-H48T4Y2CZ-G	· 48*10/100/1000M Base-T Ethernet ports, 4*1/10/25GE SFP28, 2*40/100GE QSFP28* · 2 expansion slots · Support 1+1 power backup · Packet Forwarding Rate: 822Mpps · Switching Capacity: 2.56/25.6Tbps
CloudEngine S5755-H48P4Y2CZ-G	· 48*10/100/1000M Base-T Ethernet ports, 4*1/10/25GE SFP28, 2*40/100GE QSFP28* · 2 expansion slots · PoE+ · Support N+1 power backup · Packet Forwarding Rate: 822Mpps · Switching Capacity: 2.56/25.6Tbps
CloudEngine S5755-H48U4Y2CZ-G	· 48*10/100/1000M Base-T Ethernet ports, 4*1/10/25GE SFP28, 2*40/100GE QSFP28* · 2 expansion slots · PoE++ · Support N+1 power backup · Packet Forwarding Rate: 822Mpps · Switching Capacity: 2.56/25.6Tbps

* Note:Uplink 40/100GE QSFP28 optical port supports 40GE splitting four 10GE ports and 100GE splitting four 25GE ports.

Product Overview

The CloudEngine S5755-H-G series high-quality routing and switching appliance is a new generation of routing and switching appliance for Wi-Fi 6/Wi-Fi 7 era, providing rich features including service accompanying, VxLAN, iPCA, etc. It provides customers with a high-quality campus bearer network in the all-wireless era. Based on the characteristics of business travel, to provide users with consistent business experience in the whole network; VXLAN is used to realize network virtualization, realize "one network with multiple functions" in the park network, and save network construction cost; By virtue of the above features, the S5755-H-G series routing and switching machine can be suitable for aggregation/access of medium and large campus networks and small and micro data center access scenarios.

Technical Specification

Items	CloudEngine S5755-H24T4Y2CZ-G	CloudEngine S5755-H24P4Y2CZ-G	CloudEngine S5755-H24U4Y2CZ-G
Fixed Port	24*10/100/1000M Base-T Ethernet ports 4*1/10/25GE SFP28 2*40/100GE QSFP28	24*10/100/1000M Base-T Ethernet ports 4*1/10/25GE SFP28 2*40/100GE QSFP28	24*10/100/1000M Base-T Ethernet ports 4*1/10/25GE SFP28 2*40/100GE QSFP28
Expansion Slots	2 expansion slots		
Case dimensions (W × D × H)	442mm × 420mm × 43.6mm	442mm × 420mm × 43.6mm	442mm × 420mm × 43. 6mm
Chassis Height	1U	1U	1U
Full Weight	7.65kg	8.01kg	8.05kg
Power Supply Type	180W AC power supply 600W AC power supply 1200W DC power supply	600W PoE AC power supply 1000W PoE AC power supply 1000W PoE DC power supply	600W PoE AC power supply 1000W PoE AC power supply 1000W PoE DC power supply
Typical Power Consumption	ATIS standard 30% flow, dual power supply: 73W(full port use) 62W(do not use 2*100G ports)	ATIS standard 30% flow, dual power supply: 88W(full port use) 77W(do not use 2*100G port)	ATIS standard 30% flow, dual power supply: 91W(full port use) 79W(do not use 2*100G port)
Maximum Power Consumption	ATIS standard 100% flow, dual power supply: 84W(full port use) 73W(do not use 2*100G ports)	ATIS standard 100% flow, dual power supply, no PoE: 100W(for all ports) 88W(do not use 2*100G port) PoE full load, three 1000W power supplies: 976W (PoE: 840W)	ATIS standard 100% flow, dual power, no PoE: 101W(full port use) 89W(do not use 2*100G port) PoE full load, three 1000W power supplies: 1871W (PoE: 1728W)
Operating Temperature	-5℃ to 45℃	-5℃ to 45℃	-5℃ to 45℃
Storage Temperature	-40℃ to 70℃	-40℃ to 70℃	-40℃ to 70℃
Relative Humidity	5% to 95%RH (no condensation)	5% to 95%RH (no condensation)	5% to 95%RH (no condensation)
Power Port Lightning Protection	AC power port: differential mode ±6kV, common mode ±6kV	AC power port: differential mode ±6kV, common mode ±6kV	AC power port: differential mode ±6kV, common mode ±6kV
	DC power port: differential mode ±2kV, common mode ±4kV	DC power port: differential mode ±2kV, common mode ±4kV	DC power port: differential mode ±2kV, common mode ±4kV
Heat Dissipation Mode	Air cooling heat dissipation, intelligent speed regulation, fan pluggable	Air cooling heat dissipation, intelligent speed regulation, fan pluggable	Air cooling heat dissipation, intelligent speed regulation, fan pluggable

Items	CloudEngine S5755-H48T4Y2CZ-G	CloudEngine S5755-H48P4Y2CZ-G	CloudEngine S5755-H48U4Y2CZ-G
Fixed Port	48*10/100/1000M Base-T Ethernet ports 4*1/10/25GE SFP28 2* 40/100GE QSFP28	48*10/100/1000M Base-T Ethernet ports 4*1/10/25GE SFP28 2* 40/100GE QSFP28	48*10/100/1000M Base-T Ethernet ports 4*1/10/25GE SFP28 2* 40/100GE QSFP28
Expansion Slots	2 expansion slots		
Case dimensions (W × D × H)	442mm × 420mm × 43.6mm	442mm × 420mm × 43.6mm	442mm × 420mm × 43.6mm
Chassis Height	1U	1U	1U
Full Weight	7.83kg	8.22kg	8.22kg
Power Supply Type	180 W AC power supply 600 W AC power supply 1200 W DC power supply	600 W PoE AC power supply 1000 W PoE AC power supply 1000 W PoE DC power supply	600 W PoE AC power supply 1000 W PoE AC power supply 1000 W PoE DC power supply
Typical Power Consumption	ATIS standard 30% flow, dual power supply: 92W(full port use) 81W(not using 2*100G ports)	ATIS standard 30% flow, dual power supply: 105W(full port use) 92W(not using 2*100G ports)	ATIS standard 30% flow, dual power supply: 105W(full port use) 92W(not using 2*100G ports)
Maximum Power Consumption	ATIS standard 100% flow, dual power supply: 99W(full port use) 88W(not using 2*100G ports)	ATIS standard 100% flow, dual power supply, no PoE: 112W(full port use) 100W(not using 2*100G ports) PoE full load, three 1000W power supplies: 1829W (PoE: 1680W)	ATIS standard 100% flow, dual power supply, no PoE: 113W(full port use) 100W(not using 2*100G ports) PoE full load, three 1000W power supplies: 3030W (PoE: 2870W)
Operating Temperature	-5℃ to 45℃	-5℃ to 45℃	-5℃ to 45℃
Storage Temperature	-40℃ to 70℃	-40℃ to 70℃	-40℃ to 70℃
Relative Humidity	5% to 95%RH (no condensation)	5% to 95%RH (no condensation)	5% to 95%RH (no condensation)
Power Port Lightning Protection	AC power port: differential mode ±6kV, common mode ±6kV DC power port: differential mode ±2kV, common mode ±4kV	AC power port: differential mode ±6kV, common mode ±6kV DC power port: differential mode ±2kV, common mode ±4kV	AC power port: differential mode ±6kV, common mode ±6kV DC power port: differential mode ±2kV, common mode ±4kV
Heat Dissipation Mode	Air cooling heat dissipation, intelligent speed regulation, fan pluggable	Air cooling heat dissipation, intelligent speed regulation, fan pluggable	Air cooling heat dissipation, intelligent speed regulation, fan pluggable

◼◼▪ **Full Range of S5755-H-G Silent Models**

Model	CloudEngine S5755-H-G Series High-quality 2.5GE Switches
S5755-H24UN4Y2CZ-G	S5755-H24UN4Y2CZ-G(24*10/100/1000/2.5GBASE-T Ethernet ports,4*25GE SFP28,2*100GE QSFP28, support for subcard slots,PoE++, without power)
S5755-H48UN4Y2CZ-G	S5755-H48UN4Y2CZ-G(48*10/100/1000/2.5GBASE-T Ethernet ports,4*25GE SFP28,2*100GE QSFP28, support for subcard slots,PoE++, without power)
S5755-H24N4Y-A-G	S5755-H24N4Y-A-G(24*10/100/1000/2.5GBASE-T Ethernet ports,4*25GE SFP28, built-in AC power, pre-maintenance)
S5755-H48N4Y-A-G	S5755-H48N4Y-A-G(48*10/100/1000/2.5GBASE-T Ethernet ports,4*25GE SFP28, built-in AC power, pre-maintenance)

Model	CloudEngine S5755-H-G Series high-quality Gigabit Switches
S5755-H24T4Y2CZ-G	S5755-H24T4Y2CZ-G(24*10/100/1000BASE-T Ethernet ports,4*25GE SFP28,2*100GE QSFP28, support sub-card slots, no power supply)
S5755-H24P4Y2CZ-G	S5755-H24P4Y2CZ-G(24*10/100/1000BASE-T Ethernet ports,4*25GE SFP28,2*100GE QSFP28, support for sub-card slots,PoE+, no power)
S5755-H24U4Y2CZ-G	S5755-H24U4Y2CZ-G(24*10/100/1000BASE-T Ethernet ports,4*25GE SFP28,2*100GE QSFP28, support for subcard slots,PoE++, no power)
S5755-H48T4Y2CZ-G	S5755-H48T4Y2CZ-G(48*10/100/1000BASE-T Ethernet ports,4*25GE SFP28,2*100GE QSFP28, support sub-card slots, no power supply)
S5755-H48P4Y2CZ-G	S5755-H48P4Y2CZ-G(48*10/100/1000BASE-T Ethernet ports,4*25GE SFP28,2*100GE QSFP28, support for sub-card slots,PoE+, no power)
S5755-H48U4Y2CZ-G	S5755-H48U4Y2CZ-G(48*10/100/1000BASE-T Ethernet ports,4*25GE SFP28,2*100GE QSFP28, support for subcard slots,PoE++, no power)

Model	CloudEngine S5755-H-G series high-quality multi-rate switches
S5755-H24UTM4X4Y2C-G	S5755-H24UTM4X4Y2C-G(12*10/100/1000BASE-T Ethernet ports,12*100M/1/2.5/5/10GBASE-T Ethernet ports,4*10-gigabit SFP+,4*25GE SFP28,2*100GE QSFP28,PoE++, power not included)
S5755-H48UTM4X4Y2C-G	S5755-H48UTM4X4Y2C-G(36*10/100/1000BASE-T Ethernet ports,12*100M/1/2.5/5/10GBASE-T Ethernet ports,4*10-gigabit SFP+,4*25GE SFP28,2*100GE QSFP28,PoE++, power not included)

Model	CloudEngine S5735I-H-V2-G Series TSN Industrial Switch (Rack model)
S5735I-H24U8S4XE-QA-V2-G	S5735I-H24U8S4XE-QA-V2-G (8*10/100/1000BASE-T Ethernet ports (POE+ +),16*10/100/1000BASE-T Ethernet ports (PoE+),8 Gigabit SFP,4*10-gigabit SFP+,2*12GE stack ports, dual AC power supply, no fan)

光语
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