S5735S-L24P4S-A (98010925)
Datasheet

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Overview

S5735S-L24P4S-A is the Huawei S5735-L switch with 24 x 10/100/1000Base-T ports, 4 x GE SFP ports, PoE+, Distribution. Huawei CloudEngine S5735-L is a series of simplified gigabit access switches that provide 12–48 flexible all-GE downlink ports and four fixed GE or 10 GE uplink ports. They are designed for enterprise campus network access and gigabit to the desktop. Built on next-generation, high-performance hardware and powered by Huawei's Versatile Routing Platform (VRP), CloudEngine S5735-L switches feature flexible Ethernet networking, diversified security control, and support for multiple Layer 3 routing protocols — providing higher performance and more powerful service processing capabilities for networks.

Quick Specification

Table 1 shows the Quick Specification.

Model	S5735S-L24P4S-A
Part Number	98010925
Forwarding Performance	42 Mpps
Switching Capacity	56 Gbit/s/336 Gbit/s
Fixed Ports	24 x 10/100/1000Base-T ports, 4 x GE SFP ports
PoE+	Supported

Figure 1 shows the appearance of S5735S-L24P4S-A.

Product Details

Figure 2 shows the front ports of S5735S-L24P4S-A.

Note:

(1)	Twenty-four PoE+ 10/100/1000BASE-T ports	(4)	One PNP button
(2)	Four 1000BASE-X ports	(5)	One USB port
(3)	One ETH management port	(6)	One console port

Figure 3 shows the back view of S5735S-L24P4S-A.

Note:

(1)	Ground screw
(2)	Jack for AC power cable locking strap
(3)	AC socket

Supported Transceivers

Table 2 shows the recommended models.

Model	Description
OMXD30000	Huawei Optical Transceiver OMXD30000, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)
SFP-GE-LX-SM1310	Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC)
OMXD30009	Transceiver, QSFP+, 1310nm, 41.25Gbps, -7dBm, 2.3dBm, -11.5dBm, LC, SMF, 10

ESFP-GE-SX-MM850	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.5km, LC)

Compare to Similar Items

Table 3 shows the comparison.

Model	S5735S-L12T4S-A S5735S-L12P4S-A	S5735S-L24T4S-A S5735S-L24P4S-A	S5735S-L24T4X-A S5735S-L24P4X-A	S5735S-L48T4S-A	S5735S-L48T4X-A S5735S-L48P4X-A	S5735S-L32ST4X-A
Forwarding Performance	24 Mpps	42 Mpps	96 Mpps	78 Mpps	132 Mpps	108 Mpps
Switching Capacity	32 Gbit/s/336 Gbit/s	56 Gbit/s/336 Gbit/s	128 Gbit/s/336 Gbit/s	104 Gbit/s/432 Gbit/s	176 Gbit/s/432 Gbit/s	144 Gbit/s/432 Gbit/s
Fixed Ports	12 x 10/100/1000Base-T ports, 4 x GE SFP ports	24 x 10/100/1000Base-T ports, 4 x GE SFP ports	24 x 10/100/1000Base-T ports, 4 x 10 GE SFP+ ports	48 x 10/100/1000BASE-T ports, 4 x GE SFP ports	48 x 10/100/1000BASE-T ports, 4 x 10 GE SFP+ ports	24 x GE SFP ports, 8 x 10/100/1000BASE-T ports, 4 x 10 GE SFP+ ports
PoE+	CloudEngine S5735S-L12P4S-A: Supported CloudEngine S5735S-L24P4S-A: Supported CloudEngine S5735S-L24P4X-A: Supported CloudEngine S5735S-L48P4X-A: Supported Other: Not supported					

Get More Information

Do you have any question about the S5735S-L24P4S-A (98010925)?

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Specification

S5735S-L24P4S-A Specification	
Forwarding Performance	42 Mpps
Switching Capacity	56 Gbit/s/336 Gbit/s
Fixed Ports	24 x 10/100/1000Base-T ports, 4 x GE SFP ports
PoE+	Supported
MAC Features	MAC address auto-learning and aging

	Static, dynamic, and blackhole MAC address entries
	Packet filtering based on source MAC addresses
	Interface-based MAC address learning limiting
VLAN Features	4094 VLANs
	Guest VLAN, Voice VLAN
	GVRP
	MUX VLAN
	VLAN assignment based on MAC addresses, protocols, IP subnets, policies, and ports
	1:1 and N:1 VLAN mapping
IP Routing	Static route, RIP, RIPng, OSPF, OSPFv3
Super Virtual Fabric (SVF)	Plug-and-play SVF clients
	Automatic software package and patch loading to SVF clients
	One-click and automatic delivery of service configurations
	Independent SVF client operations
Interoperability	VBST (compatible with PVST/PVST+/RPVST)
	LNP (similar to DTP)
	VCMP (similar to VTP)
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 220.0 mm (1.72 in. x 17.4 in. x 8.7 in.)
	Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from the rear panel): 43.6 mm x 442.0 mm x 227.0 mm (1.72 in. x 17.4 in. x 8.94 in.)
Chassis height [U]	1
Weight with packaging [kg(lb)]	4.31
Typical power consumption [W]	39
Typical heat dissipation [BTU/hour]	133.07
Maximum power consumption [W]	- Not providing the PoE function: 53 W
	- 100% PoE loads: 451 W (PoE: 380 W)
Maximum heat dissipation [BTU/hour]	- Not providing the PoE function: 180.8
	- 100% PoE loads: 1539
MTBF [year]	92.2
MTTR [hour]	2
Availability	>0.99999
Noise at normal temperature (acoustic power) [dB(A)]	57.7
Noise at normal temperature (acoustic pressure) [dB(A)]	43
Number of card slots	0
Number of power slots	0
Number of fans modules	2
Redundant power supply	Not supported
Long-term operating temperature [°C(°F)]	-5°C to +50°C (23°F to 122°F) at an altitude of 0-1800 m (0-5906 ft.)
Short-term operating temperature [°C(°F)]	-5°C to +55°C (23°F to 131°F) at an altitude of 0-1800 m (0-5906 ft.)

Restriction on the operating temperature variation rate [°C(°F)]	When the altitude is 1800-5000 m (5906-16404 ft.), the highest operating temperature reduces by 1°C (1.8°F) every time the altitude increases by 220 m (722 ft.). The equipment can operate beyond the normal operating temperature range for a short-term period, but the following conditions must be met: - The equipment operates at a temperature of over 50°C (122°F) consecutively for at most 96 hours in one year. - The equipment operates at a temperature of over 50°C (122°F) for a total of no more than 360 hours in one year. - The equipment operates at a temperature of over 50°C (122°F) for no more in 15 times in one year. The equipment may be damaged or experience unexpected exceptions if any of the preceding limits is exceeded. The equipment cannot start when the temperature is lower than 0°C (32°F). The maximum distance of optical modules used in these conditions cannot exceed 10 km.
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% to 95%, noncondensing
Long-term operating altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Storage altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Power supply mode	AC built-in
Rated input voltage [V]	- AC input: 100 V AC to 240 V AC, 50/60 Hz - High-Voltage DC input: 240 V DC
Input voltage range [V]	- AC input: 90 V AC to 290 V AC, 45 Hz to 65 Hz - High-Voltage DC input: 190 V DC to 290 V DC
Memory	1 GB
Flash memory	512 MB in total. To view the available flash memory size, run the display version command.
Console port	RJ45
Eth Management port	RJ45
USB	Supported
RTC	Not supported
RPS input	Not supported
Service port surge protection [kV]	Common mode: ±7 kV
Power supply surge protection [kV]	±6 kV in differential mode, ±6 kV in common mode
Types of fans	Built-in
Heat dissipation mode	Heat dissipation with fan, intelligent fan speed adjustment
Airflow direction	Air intake from left and front, air exhaustion from right
PoE	Supported
Certification	EMC certification Safety certification Manufacturing certification

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