



Overview

The S5700 series Ethernet switches 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's unified platform 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.

Quick Specification

Table 1 shows the quick specification.

Model	S5731S-S32ST4X-A
Part Number	98011814, 98011814-001
First supported version	V200R021C01
Description	S5731S-S32ST4X Bundle (8*10/100/1000BASE-T ports, 24*GE SFP ports, 4*10GE SFP+ ports, with AC power supply)
Memory	2 GB
Flash memory	The physical space is 1 GB. You can run the display version command to view the actual available space.
Typical power consumption	73.56 W
Typical heat dissipation	250.99 BTU/hour

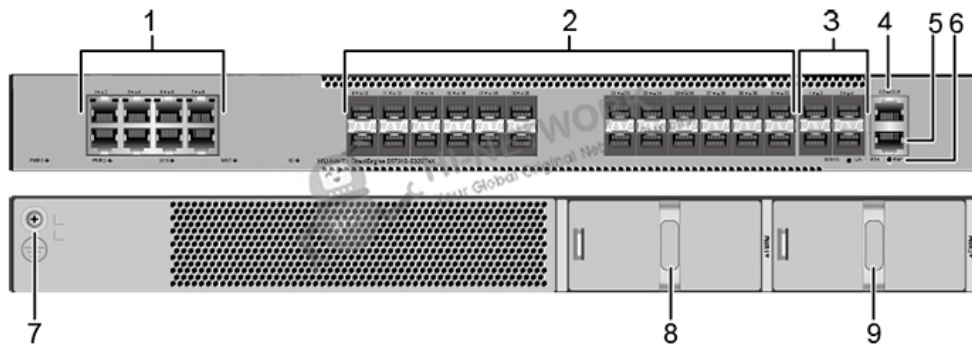
Figure 1 shows the appearance of S5731S-S32ST4X-A.





Product Details

Figure 2 shows the structure of S5731S-S32ST4X-A.



Note:

(1)	Eight 10/100/1000BASE-T ports	(6)	One PNP button
(2)	Twenty-four 100/1000BASE-X ports	(7)	Ground screw
(3)	Four 10GE SFP+ ports	(8)	Power module slot 1
(4)	One console port	(9)	Power module slot 2
(5)	One ETH management port		

Get More Information

Do you have any question about the S5731S-S32ST4X-A (98011814, 98011814-001)?

Contact us now via info@hi-network.com.

Specification

S5731S-S32ST4X-A Datasheet	
Model	S5731S-S32ST4X-A
Part Number	98011814
Description	S5731S-S32ST4X Bundle (8*10/100/1000BASE-T ports, 24*GE SFP ports, 4*10GE SFP+ ports, with AC power supply)
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 224.8 mm (1.72 in. x 17.4 in. x 8.85 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





	<p>233.8 mm (1.72 in. x 17.4 in. x 9.20 in.)</p> <p>Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 420.0 mm (1.72 in. x 17.40 in. x 16.54 in.)</p> <p>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 448.0 mm (1.72 in. x 17.40 in. x 17.64 in.)</p>
Dimensions with packaging (H x W x D) [mm(in.)]	185.0 mm x 650.0 mm x 550.0 mm (7.28 in. x 25.59 in. x 21.65 in.)
Chassis height [U]	1
Chassis material	Metal
Weight without packaging [kg(lb)]	5.68 (12.52)
Weight with packaging [kg(lb)]	8.21 (18.10)
Typical power consumption [W]	73.56
Typical heat dissipation [BTU/hour]	250.99
Maximum power consumption [W]	104.82 W (150 W AC or 180 W DC) 119.23 W (600 W AC)
Maximum heat dissipation [BTU/hour]	357.66 (150 W AC or 180 W DC) 406.82 (600 W AC)
Static power consumption [W]	44.5
MTBF [years]	71.54
MTTR [hours]	2
Availability	> 0.99999
Noise at normal temperature (acoustic power) [dB(A)]	45.47
Noise at normal temperature (acoustic pressure) [dB(A)]	31.79
Number of card slots	0
Number of power slots	2
Number of fans modules	3
Redundant power supply	<p>1+1</p> <p>Pluggable AC and DC power modules can be used together in the same switch, but power modules that use natural heat dissipation and power modules that use air cooling cannot be used together.</p>
Long-term operating temperature [°C(°F)]	-5°C to +45°C (23°F to 113°F) at an altitude of 0-1800 m (0-5906 ft.)
Short-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.)
Restriction on the operating temperature variation rate [°C(°F)]	<p>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.).</p> <p>The device can work for a short period of time when the operating temperature is beyond the normal range, but the following conditions must be met:</p> <ul style="list-style-type: none"> - The operating temperature can exceed 45°C (113°F) for a maximum of 96 consecutive hours in a year.





	<ul style="list-style-type: none"> - The total time when the operating temperature exceeds 45°C (113°F) in a year is less than or equal to 360 hours. - The number of times the operating temperature exceeds 45°C (113°F) is less than or equal to 15 in one year. <p>If any of the preceding conditions is not met, the device may be damaged or an unknown error may occur.</p> <p>Devices cannot start when the temperature is lower than 0°C (32°F). The maximum transmission distance of an optical module used for short-term operation cannot exceed 10 km.</p>
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	Pluggable power supply
Rated input voltage [V]	<ul style="list-style-type: none"> - AC input: 100 V AC to 240 V AC, 50/60 Hz - High-voltage DC input: 240 V DC - DC input: -48 V DC to -60 V DC
Input voltage range [V]	<ul style="list-style-type: none"> - 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 - DC input: -38.4 V DC to -72 V DC
Maximum input current [A]	The current specifications depend on the pluggable power modules in use. For details, see the related power module specifications.
Memory	2 GB
Flash memory	The physical space is 1 GB. You can run the display version command to view the actual available space.
Console port	RJ45
Eth Management port	RJ45
USB	Not supported
RTC	Supported
RPS input	Not supported
Service port surge protection [kV]	Common mode: ±7 kV
Power supply surge protection [kV]	<ul style="list-style-type: none"> - Configured with AC power modules: ±6 kV in differential mode and ±6 kV in common mode - Configured with DC power modules: ±2 kV in differential mode and ±4 kV in common mode
Ingress protection level (dustproof/waterproof)	IP20
Types of fans	Built-in
Heat dissipation mode	Heat dissipation with fan, intelligent fan speed adjustment
Airflow direction	Air intake from left,front and right, air exhaustion from behind
PoE	Not supported





Certification	EMC certification Safety certification Manufacturing certification
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WhatsApp Business: +8618057156223

