

Datasheet

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Overview

The Huawei CloudEngine S5731-S series switches were developed based on next-generation high-performing hardware and the Huawei Versatile Routing Platform (VRP). The CloudEngine S5731-S supports simplified operations and maintenance (O&M), intelligent stack (iStack), flexible Ethernet networking. It also provides enhanced Layer 3 features and mature IPv6 features. The CloudEngine S5731-S can be used in various scenarios. For example, it can be used as an access or aggregation switch on a campus network or as an access switch for Metropolitan Area Network.

Quick Specification

Model	S5731-S24P4X
Part Number	02353AHX/02353AHX-001/02353AHX-003/02353AHX-004
Memory (RAM)	2 GB
Flash memory	1 GB in total. To view the available flash memory size, run the display version command.
PoE	Supported
Dimensions (H x W x D)	Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 420.0 mm (1.72 in. x 17.4 in. x 16.5 in.) Maximum dimensions (the depth is the distance from ports on the front panel to the handle on the rear panel): 43.6 mm x 442.0 mm x 448.0 mm (1.72 in. x 17.4 in. x 17.7 in.)
Weight (with packaging)	8.6 kg (18.96 lb)

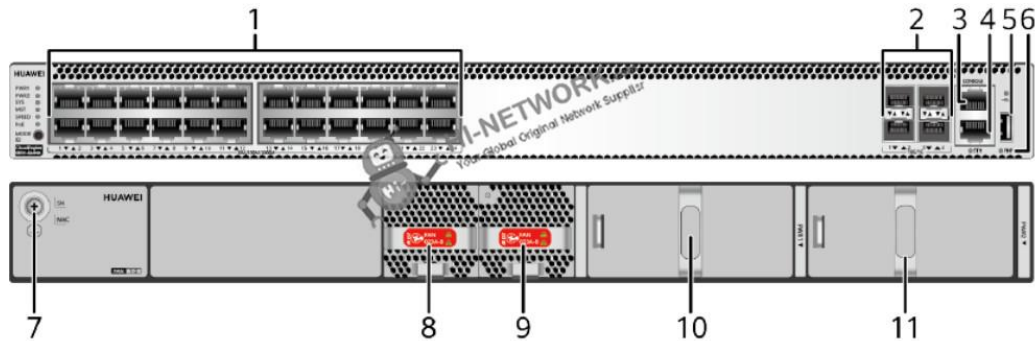
Difference between Part Number

Model	S5731-S24P4X				
Part Number	02353AHX	02353AHX-001	02353AHX-003	02353AHX-004	02353AHX-005
Heat dissipation mode	Heat dissipation with fan, intelligent fan speed adjustment	Air cooling and intelligent speed adjustment	Air cooling for heat dissipation, intelligent fan speed adjustment	Air cooling for heat dissipation, intelligent fan speed adjustment	Air cooling for heat dissipation, intelligent fan speed adjustment

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Product Details:

Appearance:



①	Twenty-four PoE+ 10/100/1000BASE-T ports
②	Four 10GE SFP+ ports
③	One console port
④	One ETH management port
⑤	One USB port
⑥	One PNP button
⑦	Ground screw
⑧	Fan module slot 1
⑨	Fan module slot 2
⑩	Power module slot 1
⑪	Power module slot 2

The Accessories for S5731-S24P4X

Modules and Cables:

Product	Description
eSFP-GE-SX-MM850	Optical Transceiver,eSFP,GE,Multi-mode Module(850nm,0.55km,LC)
S-SFP-GE-LH40-SM1550	Optical Transceiver,eSFP,GE,Single-mode Module(1550nm,40km,LC)
SFP-GE-LX-SM1310	Optical Transceiver,eSFP,GE,Single-mode Module(1310nm,10km,LC)

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S-SFP-GE-LH40-SM1310	Optical Transceiver,eSFP,GE,Single-mode Module(1310nm,40km,LC)
S-SFP-GE-LH80-SM1550	Optical Transceiver,eSFP,GE,Single-mode Module(1550nm,80km,LC)
SFP-GE-ZBXU1	Optical Transceiver,eSFP,GE,BiDi Single-mode Module(1490nm(Tx)/1570nm(Rx),80km,LC)
SFP-GE-LX-SM1490-BIDI	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1490/RX1310,10km,LC)
SFP-10G-iLR	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,1.4km,LC)
SFP-10G-USR	10GBase-USR Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.1km,LC)
SFP-1000BaseT	Electrical Transceiver,SFP,GE,Electrical Interface Module(100m,RJ45)
OMXD30000	Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.3km,LC)
OSX010000	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,10km,LC)
DWDM-SFPGE-1560-61	DWDM Optical Transceiver,eSFP,2.5G,Single-mode Module(1560.61nm,120km,LC)
SFP-10G-ER-SM1270-BIDI	Optical Transceiver,SFP+,10G,BIDI Single-mode Module(TX 1270nm/RX 1330nm,40km,LC)

Compare to Similar Items

Model	S5731-S24P4X	S5731-S24T4X	S5731-S48P4X	S5731-S48T4X
Fixed port	24 x 10/100/1000Base-T (PoE+) ports, 4 x 10GE SFP+ ports	442 mm x 420 mm x 43.6 mm	48 x 10/100/1000Base-T (PoE+) ports, 4 x 10GE SFP+ ports	48 x 10/100/1000Base-T ports, 4 x 10GE SFP+ ports
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm	1 U	442 mm x 420 mm x 43.6 mm	442 mm x 420 mm x 43.6 mm
Chassis height	1 U	8.4 kg	1 U	1 U
Chassis weight (including packaging)	8.6 kg	<ul style="list-style-type: none"> • 150 W AC (pluggable) • 600 W AC (pluggable) • 1000 W DC (pluggable) 	8.8 kg	8.55 kg
Power supply type	1000 W PoE AC (pluggable)	<ul style="list-style-type: none"> • AC input (150 W AC): 100 V AC to 240 V AC, 50/60 Hz • AC input (600 W AC): 100 V AC to 240 V AC, 50/60 Hz • DC input (1000 W DC): -48 VDC to -60 V DC 	1000 W PoE AC (pluggable)	<ul style="list-style-type: none"> • 150 W AC (pluggable) • 600 W AC (pluggable) • 1000 W DC (pluggable)
Rated voltage range	AC input (1000 W AC PoE): 100 V AC to 240 V AC, 50/60 Hz		AC input (1000 W AC PoE): 100 V AC to 240 V AC, 50/60 Hz	<ul style="list-style-type: none"> • AC input (150 W AC): 100 V AC to 240 V AC, 50/60 Hz • AC input (600 W AC): 100 V AC to 240 V AC, 50/60 Hz • DC input (1000 W DC): -48 VDC to -60 V DC
Maximum	• 121 W (without PD)	114 W	• 132 W (without PD)	124 W



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power consumption	• 977 W (with PD, PD power consumption of 720 W)		• 1750 W (with PD, PD power consumption of 1440 W)	
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Get more information:

Do you have any question about the S5731-S24P4X 02353AHX/02353AHX-001/02353AHX-003/02353AHX-004?

Contact us now via e-mail: info@hi-network.com

Specific Data Sheet:

Part Number	02353AHX/02353AHX-001/02353AHX-003/02353AHX-004
Model	S5731-S24P4X
Memory (RAM)	2 GB
Flash	1 GB in total. To view the available flash memory size, run the display version command.
Mean time between failures (MTBF)	57.21 years
Mean time to repair (MTTR)	2 hours
Availability	> 0.99999
Service port surge protection	Common mode: ± 6 kV
Power supply surge protection	Using AC power modules: ± 6 kV in differential mode, ± 6 kV in common mode Using DC power modules: ± 2 kV in differential mode, ± 4 kV in common mode
Dimensions (H x W x D)	Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 420.0 mm (1.72 in. x 17.4 in. x 16.5 in.) Maximum dimensions (the depth is the distance from ports on the front panel to the handle on the rear panel): 43.6 mm x 442.0 mm x 448.0 mm (1.72 in. x 17.4 in. x 17.7 in.)
Weight (with packaging)	8.6 kg (18.96 lb)
Stack ports	10GE SFP+ ports on the front panel
RTC	Supported
RPS	Not supported
PoE	Supported
Rated voltage range	AC input: 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: -48 V DC to -60 V DC
Maximum voltage range	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 power consumption (100% throughput, full speed of fans)	Not providing the PoE function: 121 W 100% PoE loads: 977 W (PoE: 720 W)
Typical power consumption (30% of traffic load, tested according to ATIS standard)	95 W



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Operating temperature	-5°C to +45°C (23°F to 113°F) at an altitude of 0-1800 m (0-5906 ft.)
Storage temperature	-40°C to +70°C (-40°F to +158°F)
Noise under normal temperature (27°C, sound power)	< 62.3 dB(A)
Relative humidity	5% to 95%, noncondensing
Operating altitude	0-5000 m (0-16404 ft.)
Certification	EMC certification Safety certification Manufacturing certification

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