

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-S24T4X
Part Number	98011851/02353AHU/02353AHU-001
Memory (RAM)	2 GB
Flash memory	1 GB in total. To view the available flash memory size, run the display version command.
PoE	Not 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)	8.4 kg (18.52 lb)

Difference between Part Number

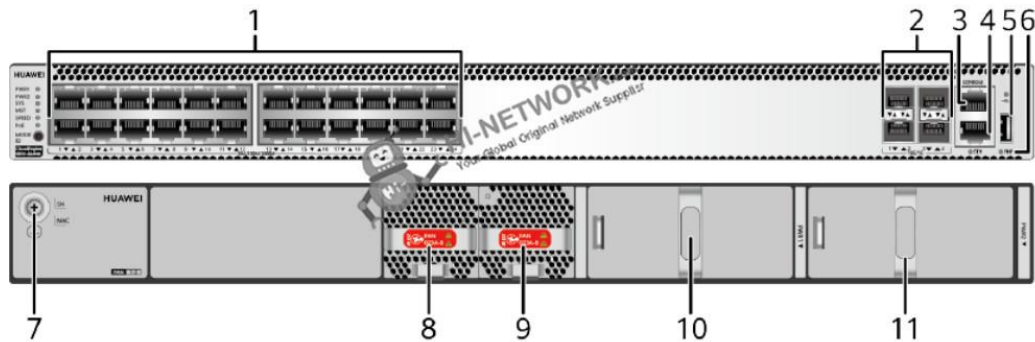
Model	S5731-S24T4X		
Part Number	98011851	02353AHU	02353AHU-001
Weight without packaging [kg(lb)]	4.84 (10.67)	5.28 (11.64)	5.28 (11.64)
Typical power consumption [W]	61	88	88
Typical heat dissipation [BTU/hour]	208.14	300.26	300.26
Maximum power consumption	87	114	114

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[W]			
Maximum heat dissipation [BTU/hour]	296.85	389	389
MTBF [year]	86.81	57.73	57.73
Noise at normal temperature (acoustic power) [dB(A)]	45.62	57.5	57.5
Noise at normal temperature (acoustic pressure) [dB(A)]	31.94	47.5	47.5
Service port surge protection [kV]	Common mode: ± 7 kV	Common mode: ± 6 kV	Common mode: ± 6 kV
Heat dissipation mode	Air cooling for heat dissipation, intelligent fan speed adjustment	Heat dissipation with fan, intelligent fan speed adjustment	Air cooling and intelligent speed adjustment

Product Details:

Appearance:



①	Twenty-four 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

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①	Power module slot 2
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The Accessories for S5731-S24T4X

Modules and Cables:

Product	Description
PAC600S12-CB	600W AC Power Module(Back to Front, Power panel side exhaust)
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)
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-GE-ZBXD1	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(1570nm(Tx)/1490nm(Rx),80km,LC)
LE2MGSC40DE0	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1310/RX1490,40km,LC)
SFP-GE-LX-SM1310-BIDI	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1310/RX1490,10km,LC)
LE2MGSC40ED0	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1490/RX1310,40km,LC)
SFP-GE-BXU1-SC	1000Base,BIDI Optical Transceiver,SFP,GE,Single-mode Module(TX1490nm/RX1310nm,10km,SC)
SFP-10G-ER-SM1270-BIDI	Optical Transceiver,SFP+,10G,BIDI Single-mode Module(TX 1270nm/RX 1330nm,40km,LC)
SFP-10G-BXU1	10GBase,BIDI Optical Transceiver,SFP+,10G,Single-mode Module(TX1270nm/RX1330nm,10km,LC)
SFP-10G-ER-1310	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,40km,LC)
SFP-10G-BXD1	10GBase,BIDI Optical Transceiver,SFP+,10G,Single-mode Module(TX1330nm/RX1270nm,10km,LC)
SFP-10G-ZR	10GBase-ZR Optical Transceiver,SFP+,10G,Single-mode Module(1550nm,80km,LC)
OSX040N01	Optical Transceiver,SFP+,10G,Single-mode Module(1550nm,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

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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 power consumption	<ul style="list-style-type: none"> • 121 W (without PD) • 977 W (with PD, PD power consumption of 720 W) 	114 W	<ul style="list-style-type: none"> • 132 W (without PD) • 1750 W (with PD, PD power consumption of 1440 W) 	124 W

Get more information:

Do you have any question about the S5731-S24T4X 98011851/02353AHU/02353AHU-001?

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

Specific Data Sheet:

Part Number	98011851/02353AHU/02353AHU-001
Model	S5731-S24T4X
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)	57.73 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

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	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)	8.4 kg (18.52 lb)
Stack ports	10GE SFP+ ports on the front panel
RTC	Supported
RPS	Not supported
PoE	Not 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)	114 W
Typical power consumption (30% of traffic load, tested according to ATIS standard)	88 W
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)	< 57.5 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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S5731-S24T4X (98011851/02353AHU/-001)



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