

## Datasheet

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### Overview

The Huawei CloudEngine S5731S-S series switches are standard gigabit access switches tailored for the channel distribution market, with all-GE electrical downlink ports and fixed 10 GE uplink ports.

CloudEngine S5731S-S series switches are next-generation gigabit access switches. Built on Huawei's unified Versatile Routing Platform (VRP), CloudEngine S5731S-S switches provide enhanced Layer 3 features, simple O&M, Intelligent Stack (iStack), flexible Ethernet networking, and mature IPv6 features. These feature-rich switches are widely used in scenarios such as enterprise campus access and aggregation, as well as data center access.

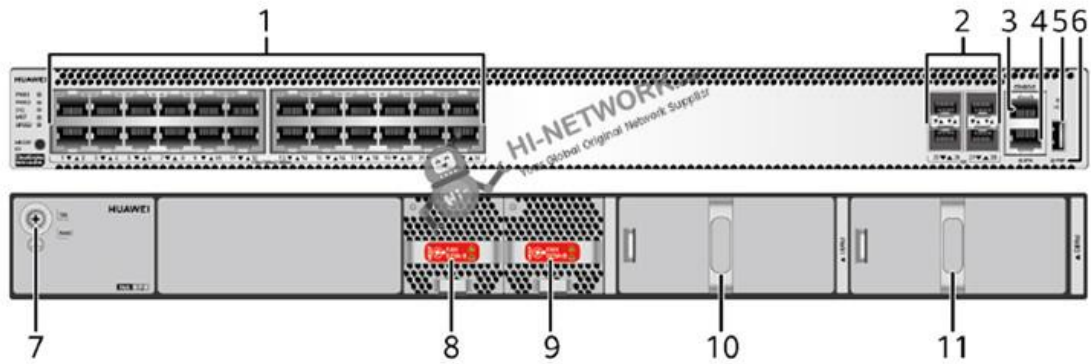
### Quick Specification

Model	S5731S-S24P4X-A
Part Number	02353AHY/02353AHY-001/02353AHY-003
Memory (RAM)	2 GB
Flash memory	1 GB in total. To view the available flash memory size, run the <b>display version</b> 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)	9.7 kg (21.38 lb)

### Product Details:

#### Appearance:

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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 S5731S-S24P4X-A

### Recommended elements for the S5731S-S24P4X-A

Models	Descriptions
<a href="#">eSFP-GE-SX-MM850</a>	Optical Transceiver,eSFP,GE,Multi-mode Module(850nm,0.55km,LC)
<a href="#">S-SFP-GE-LH40-SM1550</a>	Optical Transceiver,eSFP,GE,Single-mode Module(1550nm,40km,LC)
<a href="#">SFP-GE-LX-SM1310</a>	Optical Transceiver,eSFP,GE,Single-mode Module(1310nm,10km,LC)
<a href="#">S-SFP-GE-LH40-SM1310</a>	Optical Transceiver,eSFP,GE,Single-mode Module(1310nm,40km,LC)
<a href="#">S-SFP-GE-LH80-SM1550</a>	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-ZBXD1	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(1570nm(Tx)/1490nm(Rx),80km,LC)

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<a href="#">eSFP-GE-ZX100-SM1550</a>	Optical Transceiver,eSFP,GE,Single-mode Module(1550nm,100km,LC)
<a href="#">LE2MGSC40DE0</a>	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1310/RX1490,40km,LC)
<a href="#">SFP-GE-LX-SM1310-BIDI</a>	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1310/RX1490,10km,LC)
<a href="#">LE2MGSC40ED0</a>	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1490/RX1310,40km,LC)
<a href="#">SFP-GE-BXU1-SC</a>	1000Base,BIDI Optical Transceiver,SFP,GE,Single-mode Module(TX1490nm/RX1310nm,10km,SC)
<a href="#">SFP-10G-iLR</a>	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,1.4km,LC)
<a href="#">SFP-10G-USR</a>	10GBase-USR Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.1km,LC)
<a href="#">SFP-1000BaseT</a>	Electrical Transceiver,SFP,GE,Electrical Interface Module(100m,RJ45)
<a href="#">OMXD30000</a>	Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.3km,LC)
<a href="#">OSX010000</a>	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,10km,LC)
<a href="#">SFP-10G-BXU1</a>	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-ER-SM1330-BIDI	Optical Transceiver,SFP+,10G,BIDI Single-mode Module(TX 1330nm/RX 1270nm,40km,LC)
<a href="#">SFP-10G-BXD1</a>	10GBase,BIDI Optical Transceiver,SFP+,10G,Single-mode Module(TX1330nm/RX1270nm,10km,LC)
<a href="#">SFP-10G-ZR</a>	10GBase-ZR Optical Transceiver,SFP+,10G,Single-mode Module(1550nm,80km,LC)
<a href="#">OSX040N01</a>	Optical Transceiver,SFP+,10G,Single-mode Module(1550nm,40km,LC)

### Compare to Similar Items

Product Code	<a href="#">S5731S-S24P4X-A</a>	<a href="#">S5731S-S24T4X-A</a>	<a href="#">S5731S-S48P4X-A</a>	<a href="#">S5731S-S48T4X-A</a>
Memory (RAM)	4 GB	4 GB	4 GB	4 GB
Flash	1 GB in total. To view the available flash memory size, run the display version command.	1 GB in total. To view the available flash memory size, run the display version command.	1 GB in total. To view the available flash memory size, run the display version command.	1 GB in total. To view the available flash memory size, run the display version command.
Mean time between failures (MTBF)	57.21 years	57.73 years	54.96 years	55.31 years
Stack ports	10GE SFP+ ports on the front panel	10GE SFP+ ports on the front panel	10GE SFP+ ports on the front panel	10GE SFP+ ports on the front panel
RTC	Supported	Supported	Supported	Supported
RPS	Not supported	Not supported	Not supported	Not supported
PoE	Supported	Not supported	Supported	Not supported
Maximum power consumption (100% throughput, full speed of fans)	<ul style="list-style-type: none"> <li>Not providing the PoE function: 121 W</li> <li>100% PoE loads: 977 W (PoE: 720 W)</li> </ul>	114 W	<ul style="list-style-type: none"> <li>Not providing the PoE function: 132 W</li> <li>100% PoE loads: 1750 W (PoE: 1440 W)</li> </ul>	124 W
Typical power	95 W	88 W	108 W	101 W



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consumption (30% of traffic load, tested according to ATIS standard)				
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Get more information:

Do you have any question about the S5731S-S24P4X-A 02353AHY/02353AHY-001/02353AHY-003?

Contact us now via e-mail: [info@hi-network.com](mailto:info@hi-network.com)

## Specific Data Sheet:

Part Number	02353AHY/02353AHY-001/02353AHY-003
Model	S5731S-S24P4X-A
Memory (RAM)	2 GB
Flash	1 GB in total. To view the available flash memory size, run the <b>display version</b> 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: $\pm 6$ kV
Power supply surge protection	Using AC power modules: $\pm 6$ kV in differential mode, $\pm 6$ kV in common mode Using DC power modules: $\pm 2$ kV in differential mode, $\pm 4$ 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)	9.7 kg (21.38 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 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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