

# Datasheet

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## Overview

The CloudEngine S5731-H series switches are the next-generation intelligent gigabit fixed switches developed by Huawei. The CloudEngine S5731-H builds on Huawei's unified Versatile Routing Platform (VRP) and boasts various IDN features.

## Quick Specification

Model	S5731-H48T4XC
Part Number	02352QPT/02352QPT-003/02352QPT-007
Memory (RAM)	4 GB
Flash memory	1 GB in total. To view the available flash memory size, run the <b>display version</b> command.
PoE	Not supported
Dimensions (H x W x D)	<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 17.4 in. x 16.5 in.)</p> <p>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.)</p>
Weight (with packaging)	8.55 kg (18.85 lb)

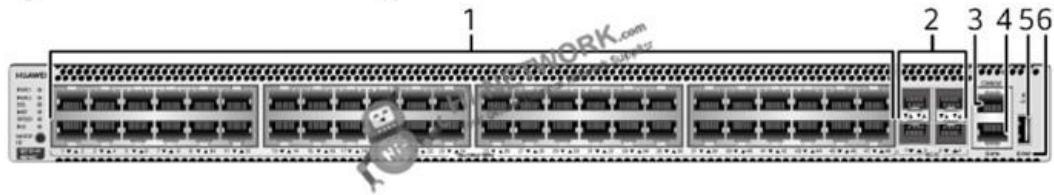
## Difference between Part Number

Model	S5731-H48T4XC		
Part Number	02352QPT	02352QPT-003	02352QPT-007
Heat dissipation mode	Heat dissipation with fan, intelligent fan speed adjustment	Heat dissipation with fan, intelligent fan speed adjustment	Air cooling for heat dissipation, intelligent fan speed adjustment
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.)	-5°C to +45°C (23°F to 113°F) at an altitude of 0-1800 m (0-5906 ft.)	-5°C to +45°C (23°F to 113°F) at an altitude of 0 to 1800 m (0 to 5905.44 ft.)
Long-term operating relative humidity [RH]	5% to 95%, noncondensing	5% to 95%, noncondensing	5% RH to 95% RH (non-condensing)

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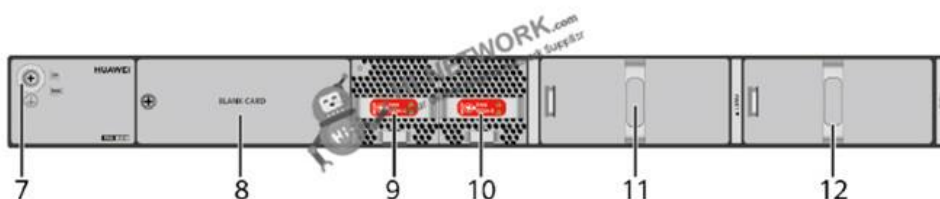
### Product Details:

#### The Front Panel:



①	Forty-eight 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

#### The Back Panel:



⑦	Ground screw
⑧	Rear card slot

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⑨	Fan module slot 1
⑩	Fan module slot 2
⑪	Power module slot 1
⑫	Power module slot 2

## The Accessories for S5731-H48T4XC

### Recommended elements for the S5731-H48T4XC

Models	Descriptions
PAC600S12-CB	600W AC Power Module(Back to Front, Power panel side exhaust)
<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)
<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)

### Compare to Similar Items

Models	<a href="#">S5731-H24P4XC</a>	<a href="#">S5731-H24T4XC</a>	<a href="#">S5731-H48P4XC</a>	<a href="#">S5731-H48T4XC</a>
Fixed port	24 x 10/100/1000Base-T (PoE+) ports, 4 x 10GE SFP+ ports	24 x 10/100/1000Base-T ports, 4 x 10GE SFP+ ports	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 (H x W x D)	43.6 mm x 442 mm x 420mm	43.6 mm x 442 mm x 420mm	43.6 mm x 442 mm x 420mm	43.6 mm x 442 mm x 420mm
Chassis height	1 U	1 U	1 U	1 U



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Chassis weight (including packaging)	8.6 kg	8.4 kg	8.8 kg	8.55 kg
Extended slot	One extended slot, support 2 x 40GE, 8 x 10GE Base-T, 2 x 25GE SFP28 or 8 x 10GE SFP+ cards	One extended slot, support 2 x 40GE, 8 x 10GE Base-T, 2 x 25GE SFP28 or 8 x 10GE SFP+ cards	One extended slot, support 2 x 40GE, 8 x 10GE Base-T, 2 x 25GE SFP28 or 8 x 10GE SFP+ cards	One extended slot, support 2 x 40GE, 8 x 10GE Base-T, 2 x 25GE SFP28 or 8 x 10GE SFP+ cards
Power supply type	1000 W PoE AC (pluggable)	<ul style="list-style-type: none"> <li>• 600 W AC (pluggable)</li> <li>• 150 W AC (pluggable)</li> <li>• 1000 W DC (pluggable)</li> </ul>	1000 W PoE AC (pluggable)	<ul style="list-style-type: none"> <li>• 600 W AC (pluggable)</li> <li>• 150 W AC (pluggable)</li> <li>• 1000 W DC (pluggable)</li> </ul>
Rated voltage range	AC input (1000 W AC PoE): 100 V AC to 240 V AC, 50/60 Hz	<ul style="list-style-type: none"> <li>• AC input (600 W AC): 100 V AC to 240 V AC, 50/60 Hz</li> <li>• AC input (150 W AC): 100 V AC to 240 V AC, 50/60 Hz</li> <li>• DC input (1000 W DC): -48 VDC to -60 V DC</li> </ul>	AC input (1000 W AC PoE): 100 V AC to 240 V AC, 50/60 Hz	<ul style="list-style-type: none"> <li>• AC input (600 W AC): 100 V AC to 240 V AC, 50/60 Hz</li> <li>• AC input (150 W AC): 100 V AC to 240 V AC, 50/60 Hz</li> <li>• DC input (1000 W DC): -48 VDC to -60 V DC</li> </ul>
Maximum power consumption	<ul style="list-style-type: none"> <li>• 121 W (without PD)</li> <li>• 977 W (with PD, PD power consumption of 720 W)</li> </ul>	114 W	<ul style="list-style-type: none"> <li>• 132 W (without PD)</li> <li>• 1750 W (with PD, PD power consumption of 1440 W)</li> </ul>	124 W

Get more information:

Do you have any question about the S5731-H48T4XC 02352QPT/02352QPT-003/02352QPT-007?

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

## Specific Data Sheet:

Part Number	02352QPT/02352QPT-003/02352QPT-007
Model	S5731-H48T4XC
Memory (RAM)	4 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)	55.31 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):



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	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)	8.55 kg (18.85 lb)
Stack ports	10GE SFP+ ports on the front panel, or ports on the rear card
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)	124 W (without card)
Typical power consumption (30% of traffic load, tested according to ATIS standard)	101 W (without card)
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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