

# S5731-S24P4X 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 Spec

Table 1 shows the Quick Specs.

Product Code	S5731-S24P4X
Fixed port	24 x 10/100/1000Base-T (PoE+) ports, 4 x 10GE SFP+ ports
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm
Chassis height	1 U
Power supply type	1000 W PoE AC (pluggable)
Rated voltage range	AC input (1000 W AC PoE): 100 V AC to 240 V AC, 50/60 Hz
Maximum voltage range	<ul style="list-style-type: none"><li>AC input (1000 W AC PoE): 90 V AC to 290 V AC, 45 Hz to 65 Hz</li><li>High-voltage DC input (1000 W AC PoE): 190 V DC to 290 V DC (meeting 240 V high-voltage DC certification)</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>

## The Accessories

Model	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)
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)



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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)

## Specification

S5731-S24P4X Specification	
Fixed port	24 x 10/100/1000Base-T (PoE+) ports, 4 x 10GE SFP+ ports
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm
Chassis height	1 U
Chassis weight (including packaging)	8.6 kg
Power supply type	1000 W PoE AC (pluggable)
Rated voltage range	AC input (1000 W AC PoE): 100 V AC to 240 V AC, 50/60 Hz
Maximum voltage range	<ul style="list-style-type: none"><li>• AC input (1000 W AC PoE): 90 V AC to 290 V AC, 45 Hz to 65 Hz</li><li>• High-voltage DC input (1000 W AC PoE): 190 V DC to 290 V DC (meeting 240 V high-voltage DC certification)</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>
Noise	<ul style="list-style-type: none"><li>• Under normal temperature (sound power): 62.3dB (A)</li><li>• Under high temperature (sound power): 71.8dB (A)</li><li>• Under normal temperature (sound pressure): 52.8dB (A)</li></ul>
Operating temperature	<ul style="list-style-type: none"><li>• 0-1800 m altitude: -5°C to +45°C</li><li>• 1800-5000 m altitude: The operating temperature reduces by 1°C every time the altitude increases by 220 m.</li></ul>
Storage temperature	-40 to +70
Relative humidity	5% to 95% (non-condensing)
Surge protection specification (service port)	Common mode: ±6 kV
Surge protection specification (powerport)	<ul style="list-style-type: none"><li>• Differential mode: ±6 kV</li><li>• Common mode: ±6 kV</li></ul>
Heat dissipation	Air cooling heat dissipation, intelligent speed adjustment, and pluggable fans

## Contact Us

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