

S5731-S48T4X 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-S48T4X
Fixed port	48 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	<ul style="list-style-type: none">• 150 W AC (pluggable)• 600 W AC (pluggable)• 1000 W DC (pluggable)
Rated voltage range	<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 voltage range	<ul style="list-style-type: none">• AC input (150 W AC): 90 V AC to 264 V AC, 47 Hz to 63 Hz• AC input (600 W AC): 90 V AC to 290 V AC, 45 Hz to 65 Hz• High-voltage DC input (600 W AC): 190 V DC to 290 V DC (meeting 240 V high-voltage DC certification)• DC input (1000 W DC): -38.4 V DC to -72V DC
Maximum power consumption	124 W

The Modules

Model	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)



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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-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)

Specification

S5731-S48T4X Specification	
Fixed port	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
Chassis height	1 U
Chassis weight (including packaging)	8.55 kg
Power supply type	<ul style="list-style-type: none">• 150 W AC (pluggable)• 600 W AC (pluggable)• 1000 W DC (pluggable)
Rated voltage range	<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 voltage range	<ul style="list-style-type: none">• AC input (150 W AC): 90 V AC to 264 V AC, 47 Hz to 63 Hz• AC input (600 W AC): 90 V AC to 290 V AC, 45 Hz to 65 Hz• High-voltage DC input (600 W AC): 190 V DC to 290 V DC (meeting 240 V high-voltage DC certification)• DC input (1000 W DC): -38.4 V DC to -72V DC
Maximum power consumption	124 W
Noise	<ul style="list-style-type: none">• Under normal temperature (sound power): 57.5dB (A)• Under high temperature (sound power): 70.9dB (A)• Under normal temperature (sound pressure): 47.5dB (A)
Operating temperature	<ul style="list-style-type: none">• 0-1800 m altitude: -5°C to +45°C• 1800-5000 m altitude: The operating temperature reduces by 1°C every time the altitude increases by 220 m.
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">• AC power port: ± 6 kV in differential mode, ± 6 kV in common mode• DC power port: ± 2 kV in differential mode, ± 4 kV in common mode
Heat dissipation	Air cooling heat dissipation, intelligent speed adjustment, and pluggable fans

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