



Overview

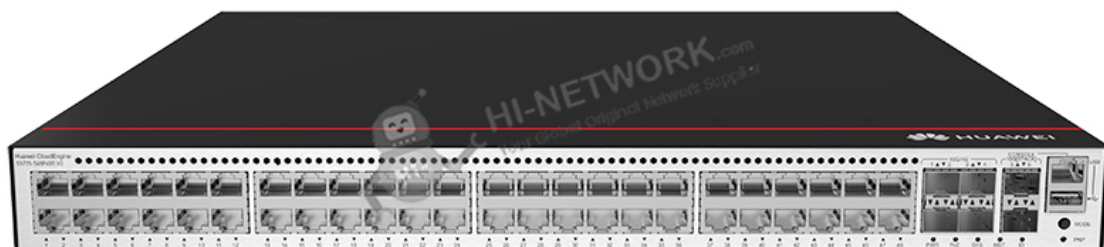
CloudEngine S5735-S-V2 series hybrid optical-electrical switches are developed based on next-generation high-performing hardware and software platform. CloudEngine S5735-S-V2 switches support simplified operations and maintenance (O&M), and flexible Ethernet networking. It also provides enhanced Layer 3 features and mature IPv6 features. CloudEngine S5735-S-V2 switches 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

Table 1 shows the Quick Specification.

Model	S5735-S48P4XE-V2
Part Number	98012053
Description	S5735-S48P4XE-V2 (48*10/100/1000BASE-T ports, 4*10GE SFP+ ports, 2*12GE stack ports, PoE+, without power module)
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 420.0 mm (1.72 in. x 17.40 in. x 16.54 in.) Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from the rear panel): 43.6 mm x 442.0 mm x 446.0 mm (1.72 in. x 17.40 in. x 17.56 in.)
Weight with packaging [kg(lb)]	8.00 kg (17.64 lb)
Typical power consumption [W]	54.51 W
Maximum power consumption [W]	- Without PoE: 62.90 W (with two 600 W AC power modules) 67.20 W (with two 1000 W AC power modules) 76.93 W (with two 1000 W DC power modules) - Full PoE load: 1931.44 W (PoE: 1680 W, with three 1000 W AC power modules)
PoE	Supported

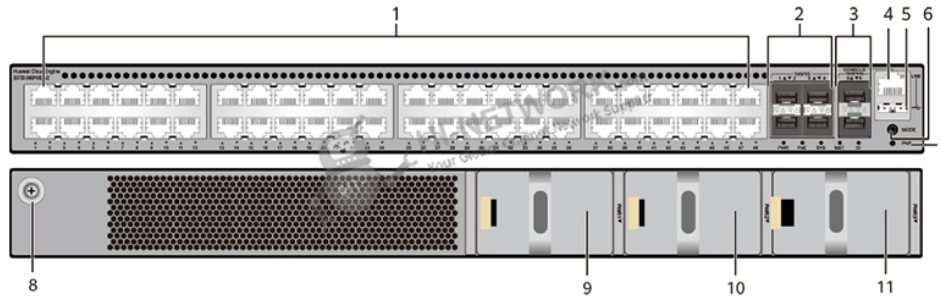
Figure 1 shows the appearance of S5735-S48P4XE-V2.





Product Details

Figure 2 shows the structure of S5735-S48P4XE-V2.



Note:

(1)	Forty-eight 10/100/1000BASE-T PoE+ ports	(7)	One PNP button
(2)	Four 10GE SFP+ ports	(8)	Ground screw
(3)	Two stack ports	(9)	Power module slot 1
(4)	One console port	(10)	Power module slot 2
(5)	One USB port	(11)	Power module slot 3
(6)	One MODE button		

Get More Information

Do you have any question about the S5735-S48P4XE-V2 (98012053)?

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Specification

S5735-S48P4XE-V2 Specification	
Model	S5735-S48P4XE-V2
Part Number	98012053
Description	S5735-S48P4XE-V2 (48*10/100/1000BASE-T ports, 4*10GE SFP+ ports, 2*12GE stack ports, PoE+, without power module)
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 420.0 mm (1.72 in. x 17.40 in. x 16.54 in.) Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from the rear panel): 43.6 mm x 442.0 mm x 446.0 mm (1.72 in. x 17.40 in. x 17.56 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	185 mm x 650 mm x 550 mm (7.28 in. x 25.59 in. x 21.65 in.)





Chassis height [U]	1 U
Weight without packaging [kg(lb)]	5.20 kg (11.46 lb)
Weight with packaging [kg(lb)]	8.00 kg (17.64 lb)
Typical power consumption [W]	54.51 W
Typical heat dissipation [BTU/hour]	185.99 BTU/hour
Maximum power consumption [W]	<p>- Without PoE: 62.90 W (with two 600 W AC power modules) 67.20 W (with two 1000 W AC power modules) 76.93 W (with two 1000 W DC power modules)</p> <p>- Full PoE load: 1931.44 W (PoE: 1680 W, with three 1000 W AC power modules)</p>
Maximum heat dissipation [BTU/hour]	<p>- Without PoE: 214.62 (with two 600 W AC power modules) 227.93 (with two 1000 W AC power modules) 261.47 (with two 1000 W DC power modules)</p> <p>- Full PoE load: 6590.27 (PoE: 1680 W, with three 1000 W AC power modules)</p>
Static power consumption [W]	33.99 W
MTBF [years]	79.02 years
MTTR [hours]	2 hours
Availability	> 0.99999
Noise at normal temperature (acoustic power) [dB(A)]	<p>Three 600 W AC PoE power modules with 30% load: 50 dBA Three 1000 W AC PoE power modules with 30% load: 49.9 dBA Three 1000 W DC PoE power modules with 30% load: 48.5 dBA</p>
Noise at normal temperature (acoustic pressure) [dB(A)]	<p>Three 600 W AC PoE power modules with 30% load: 38 dBA Three 1000 W AC PoE power modules with 30% load: 37.9 dBA Three 1000 W DC PoE power modules with 30% load: 36.5 dBA</p>
Number of card slots	0
Number of power slots	3
Number of fans modules	2
Redundant power supply	<p>1+1+1 Pluggable AC and DC power modules can be used together on the same device.</p>
Long-term operating temperature [°C(°F)]	-5°C to +50°C (23°F to 122°F) at an altitude of 0-1800 m (0-5905.44 ft.)
Restriction on the operating temperature variation rate [°C(°F)]	<p>When the altitude is 1800–5000 m (5906–16404 ft.), the highest operating temperature reduces by 1°C (1.8°F) every time the altitude increases by 220 m (722 ft.). Devices cannot start when the temperature is lower than 0°C (32°F).</p>
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% RH to 95% RH (non-condensing)
Long-term operating altitude [m(ft.)]	0–5000 m (0–16404 ft.)
Storage altitude [m(ft.)]	0-5000 m (0-16404 ft.)





Power supply mode	Pluggable power supply
Rated input voltage [V]	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
Input voltage range [V]	AC input: 90 V AC to 290 V AC; 45-65 Hz High-voltage DC input: 190 V DC to 290 V DC DC input: -38.4 V DC to -72 V DC
Maximum input current [A]	The current specifications are related to the pluggable power module. For details, see Pluggable Power Modules.
Memory	2 GB
Flash memory	Physical space: 1 GB
Console port	RJ45
Eth Management port	Not supported
USB	Supported
RTC	Not supported
RPS input	Not supported
Service port surge protection [kV]	Common mode: ± 6 kV
Power supply surge protection [kV]	Configured with AC power modules: ± 6 kV in differential mode and ± 6 kV in common mode Configured with DC power modules: ± 2 kV in differential mode and ± 4 kV in common mode
Ingress protection level (dustproof/waterproof)	IP20
Types of fans	Built-in
Heat dissipation mode	Air cooling for heat dissipation, intelligent fan speed adjustment
Airflow direction	Air intake from left, front, and right and air exhaust from rear
PoE	Supported
Certification	EMC certification Safety certification Manufacturing certification

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S5735-S48P4XE-V2 (98012053)

Datasheet

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