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## Overview

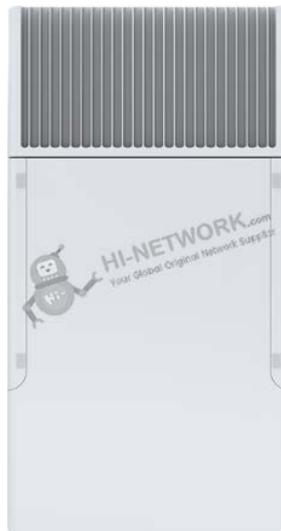
The S5700 series Ethernet switches are next-generation energy-saving switches developed by Huawei to meet the demand for high-bandwidth access and Ethernet multi-service aggregation. Based on cutting-edge hardware and Huawei Versatile Routing Platform (VRP) software, the S5700 provides a large switching capacity, high reliability (double power slots and hardware Ethernet OAM), and high-density GE ports to accommodate 10 Gbit/s upstream transmissions. It also supports Energy Efficient Ethernet (EEE) and iStack. The S5700 can be used in various enterprise network scenarios. For example, it can function as an access or aggregation switch on a campus network, a gigabit access switch in an Internet data center (IDC), or a desktop switch to provide 1000 Mbit/s access for terminals.

## Quick Specification

Table 1 shows the Quick Specification.

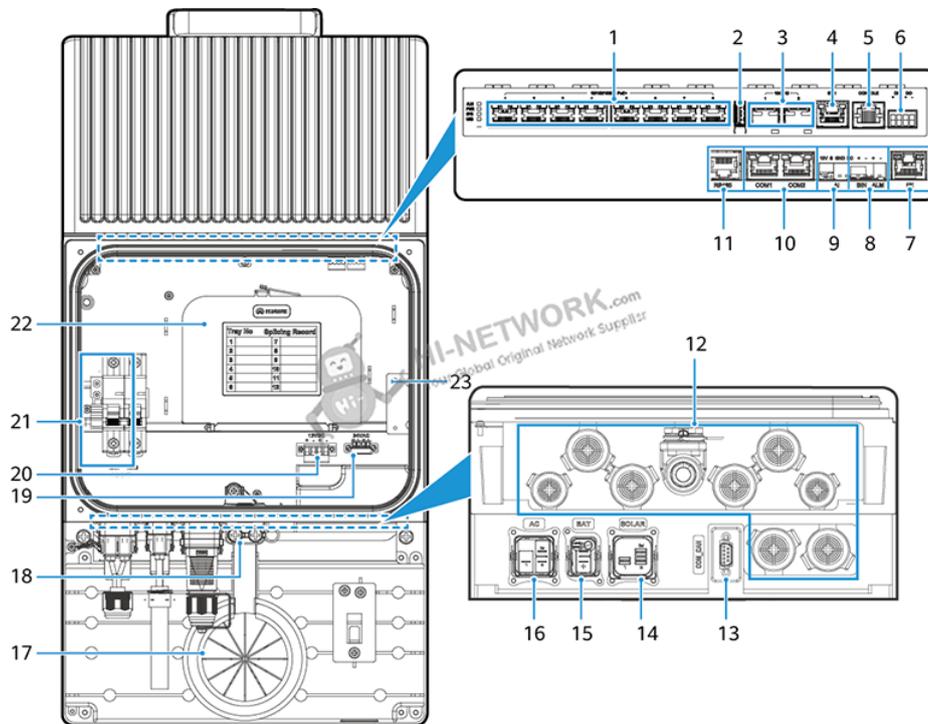
Model	S5735-S8P2X-IA200H1
Part Number	02313CMQ
Description	Function Module, S5735-S8P2X-IA200H1, Single-Phase Or Dual-Live Wire Or PV Input, PoE 53Vdc/3.8A, 12Vdc/6A, 24Vac/4A, Natural Heat Dissipation
First supported version	V200R020C10
Dimensions without packaging (H x W x D) [mm(in.)]	Including the protruding portions: 582 mm x 300 mm x 165.5 mm (22.91 in. x 11.81 in. x 6.52 in.) Excluding the protruding portions: 570 mm x 300 mm x 150 mm (22.44 in. x 11.81 in. x 5.91 in.)
Memory	1 GB
Flash memory	512 MB in total. To view the available flash memory size, run the display version command.
PoE	Supported

Figure 1 shows the appearance of S5735-S8P2X-IA200H1.



## Product Details

Figure 2 show the interior of the S5735-S8P2X-IA200H1 maintenance compartment.



Note:

(1)	Eight 10/100/1000BASE-T PoE+ ports
(2)	One USB port
(3)	Two 10GE SFP+ ports
(4)	One ETH management port
(5)	One console port
(6)	DI/DO monitoring port DI: signal input line, which connects to a door status sensor. DO: signal output line, which connects to a camera alarm signal cable.
(7)	FE communication port
(8)	Monitoring port (reserved)
(9)	Temperature sensor port (reserved)
(10)	COM1 and COM2 ports (reserved)
(11)	RS485 port
(12)	Cable outlet
(13)	COM_CAN port
(14)	Photovoltaics (PV) input port
(15)	BAT port

(16)	220 V AC power input socket
(17)	Cable outlet
(18)	Ground screw
(19)	24 V AC power output socket
(20)	12 V DC power output socket
(21)	220 V AC power output circuit breaker
(22)	Fiber management tray (FMT)
(23)	Door status sensor

## Get More Information

Do you have any question about the S5735-S8P2X-IA200H1 (02313CMQ)?

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

## Specification

S5735-S8P2X-IA200H1 Specification	
Model	S5735-S8P2X-IA200H1
Part Number	02313CMQ
Description	Function Module, S5735-S8P2X-IA200H1, Single-Phase Or Dual-Live Wire Or PV Input, PoE 53Vdc/3.8A, 12Vdc/6A, 24Vac/4A, Natural Heat Dissipation
First supported version	V200R020C10
Dimensions without packaging (H x W x D) [mm(in.)]	Including the protruding portions: 582 mm x 300 mm x 165.5 mm (22.91 in. x 11.81 in. x 6.52 in.) Excluding the protruding portions: 570 mm x 300 mm x 150 mm (22.44 in. x 11.81 in. x 5.91 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	270 mm x 450 mm x 670 mm (10.63 in. x 17.72 in. x 26.38 in.)
Weight without packaging [kg(lb)]	14.5 kg (31.97 lb)
Weight with packaging [kg(lb)]	17.6 kg (38.8 lb)
Typical power consumption [W]	38
Typical heat dissipation [BTU/hour]	129.66
Maximum power consumption [W]	- With no output power: 45 W - With output power: 269 W (device power consumption: 69 W; output power: 200 W)
Maximum heat dissipation [BTU/hour]	- With no output power: 153.55 - With output power: 917.86
MTBF [year]	41.85
MTTR [hour]	2
Availability	>0.99999

Noise at normal temperature (acoustic power) [dB(A)]	Noise-free (no fans)
Noise at normal temperature (acoustic pressure) [dB(A)]	Noise-free (no fans)
Number of card slots	0
Number of power slots	0
Number of fans modules	0
Redundant power supply	The S5735-S8P2X-IA200H1 has a built-in AC power module and can be directly connected to the AC mains or an external PV system. External lithium batteries can also be connected to the switch for power backup.
Long-term operating temperature [°C(°F)]	<p>-40°C to +55°C (-40°F to 131°F)</p> <p>NOTE:</p> <p>-35°C to +55°C (-31°F to +131°F): sunshade needed; no requirement on the air velocity; GPON optical modules supported</p> <p>-35°C to +45°C (-31°F to +113°F): 1120 W/m<sup>2</sup> solar radiation (maximum); no requirement on the air velocity</p> <p>-40°C to -35°C (-40°F to -31°F): Stable port performance can be achieved only when at least four Ethernet electrical ports go Up.</p>
Restriction on the operating temperature variation rate [°C(°F)]	When the altitude is 2000-5000 m (5906-16404 ft.), the highest operating temperature reduces by 1°C (1.8°F) every time the altitude increases by 200 m (656 ft.).
Storage temperature [°C(°F)]	-40°C to +85°C (-40°F to +185°F)
Long-term operating relative humidity [RH]	5% to 95%, noncondensing
Long-term operating altitude [m(ft.)]	-150 m to 5000 m (-492 to 16404 ft.)
Storage altitude [m(ft.)]	-150 m to 5000 m (-492 to 16404 ft.)
Power supply mode	AC built-in,Solar power supply,Lithium battery power supply
Rated input voltage [V]	<p>AC input: 100 V AC to 240 V AC, 50/60 Hz</p> <p>PV input: 72 V DC</p> <p>Battery input: 53.5 V DC</p>
Input voltage range [V]	<p>AC input: 85 V AC to 290 V AC, 45 Hz to 65 Hz</p> <p>PV input: 36 V DC to 120 V DC</p>
Memory	1 GB
Flash memory	512 MB in total. To view the available flash memory size, run the display version command.
Console port	RJ45
Eth Management port	RJ45
USB	Supported
RTC	Not supported
RPS input	Not supported
Service port surge protection [kV]	±1.5 kV in differential mode, ±6 kV in common mode
Power supply surge protection [kV]	<p>Surge current:</p> <ul style="list-style-type: none"> <li>- AC input: 20 kA</li> <li>- PV input: ±3 kA in differential mode; ±5 kA in common mode</li> <li>- Battery input: ±3 kA in differential mode; ±5 kA in common mode</li> </ul> <p>Surge:</p>

	<ul style="list-style-type: none"> <li>- AC input: <math>\pm 6</math> kV in differential mode; <math>\pm 6</math> kV in common mode</li> <li>- PV input: <math>\pm 2</math> kV in differential mode; <math>\pm 4</math> kV in common mode</li> <li>- Battery input: <math>\pm 2</math> kV in differential mode; <math>\pm 4</math> kV in common mode</li> <li>- 12 V DC output: <math>\pm 2</math> kV in differential mode; <math>\pm 4</math> kV in common mode</li> <li>- 24 V AC output: <math>\pm 2</math> kV in differential mode; <math>\pm 6</math> kV in common mode</li> </ul>
Types of fans	None
Heat dissipation mode	Natural heat dissipation without fans
Airflow direction	-
PoE	Supported
Certification	<ul style="list-style-type: none"> <li>EMC certification</li> <li>Safety certification</li> <li>Manufacturing certification</li> </ul>

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