S5732-H48UM2CC (02353HUB 02353SJT)
Datasheet

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Overview

Next-generation CloudEngine S5732-H Series Multi-GE Switches offer either 24 or 48 downlink ports — up to 10 GE — alongside four 25 GE uplink ports and either two 40 GE or two 100 GE uplink ports. With this feature set, CloudEngine S5732-H is designed for connecting to Wireless Local Area Network (WLAN) APs in the Wi-Fi 6 era.

Based on Huawei's unified Versatile Routing Platform (VRP), the switches boast a range of Intent-Driven Network (IDN) features, including an integrated wireless Access Controller (AC) that can manage up to 1024 wireless Access Points (APs), and a free mobility feature that offers a consistently high-quality user experience.

Quick Specification

Table 1 shows the quick specification.

Model	S5732-H48UM2CC
Part Number	02353HUB, 02353HUB-002, 02353SJT, 02353SJT-001, 02353SJT-003, 02353SJT-004, 02353SJT-010, 02353SJT-011, 02353SJT-013, 02353SJT-014 02353SJT-020, 02353SJT-021, 02353SJT-023, 02353SJT-024
Switching Capacity	1.76 Tbit/s/2.4 Tbit/s
Fixed Ports	48 x 100M/1G/2.5G/5G/10G Base-T Ethernet ports, 4 x 25 GE SFP28 + 2 x 40 GE QSFP+ or 2 x 100 GE QSFP28
PoE	Supported
Extended Slots	One extended slot, supports 2 x 25 GE SFP28 or 8 x 10 GE SFP+, 8 x 25 GE SFP28 cards

Figure 1 shows the appearance of S5732-H48UM2CC.

Product Details

Huawei S5732-H48UM2CC provides these features:

-10 GE Ultra-Fast Access

Supports 24 or 48 10 GE access ports, with 60 W power supply per port.

-Built-in Native AC

Manages up to 1024 wireless APs with converged wireless and wired policy management.

-Intelligent Network O&M

Collects device data in real-time through telemetry, collaborating with the campus network analyzer, CampusInsight, to quickly and efficiently detect problems adversely

affecting user experience.

Figure 2 shows the front panel of S5732-H48UM2CC.
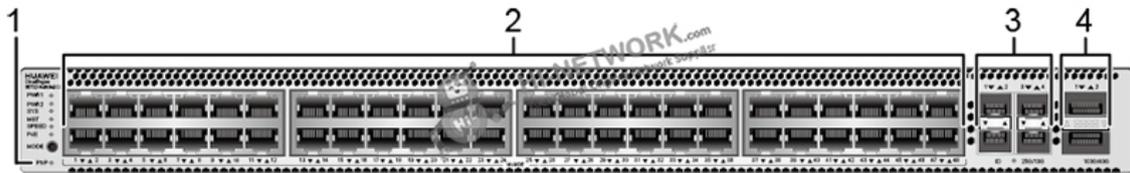
Note:

Model	S5732-H48UM2CC	S5732-H48UM2CC
Part Number	02353HUB, 02353HUB-002, 02353SJT, 02353SJT-001, 02353SJT-003, 02353SJT-004, 02353SJT-010, 02353SJT-011, 02353SJT-013, 02353SJT-014	02353SJT-020, 02353SJT-021, 02353SJT-023, 02353SJT-024
(1)	One PNP button	One PNP button
(2)	Forty-eight 100M/1000M/2.5GE/5GE/10GE BASE-T PoE++ ports (multi-GE ports)	Forty-eight 100M/1000M/2.5GE/5GE/10GE BASE-T PoE++ ports (multi-GE ports)
(3)	Four 1GE/10GE/25GE SFP28 optical ports	Four 10GE/25GE SFP28 optical ports
(4)	Two 40GE/100GE QSFP28 optical ports	Two 40GE/100GE QSFP28 optical ports

Figure 3 shows the back panel of S5732-H48UM2CC.
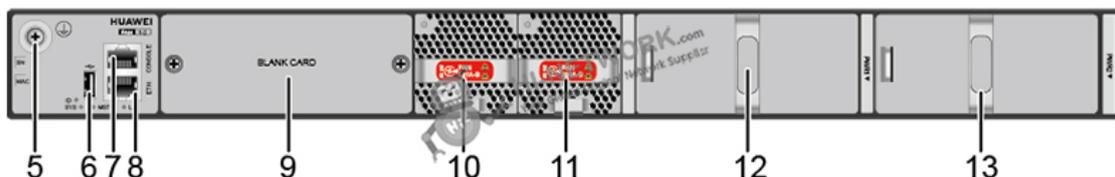
Note:

(5)	Ground screw	(10)	Fan module slot 1
(6)	One USB port	(11)	Fan module slot 2
(7)	One console port	(12)	Power module slot 1

(8)	One ETH management port	(13)	Power module slot 2
(9)	Rear card slot		

Table 2 shows the description of S5732-H48UM2CC bundles.

Part Number	Description	Remarks
02353HUB 02353HUB-002	S5732-H48UM2CC Premium (48*100M/1G/2.5G/5G/10G Ethernet ports, 4*25GE SFP28 + 2*40GE ports or 2*100GE QSFP28 ports, 1*expansion slot, PoE++, without power module)	By default, no power supply is configured. By default, multi-GE ports support 100 Mbit/s, 1000 Mbit/s, 2.5 Gbit/s, 5 Gbit/s, and 10 Gbit/s.
02353SJT 02353SJT-010	S5732-H48UM2CC Base (48*100M/1G Ethernet ports,Optional RTU upgrade to 2.5/5/10G, 4*25GE SFP28 + 2*40GE or 2*100GE QSFP28 ports, 1*expansion slot, PoE++, without power module)	By default, no power supply is configured. By default, multi-GE ports support 100 Mbit/s and 1000 Mbit/s. You can purchase an RTU license to increase the port rate to 2.5 Gbit/s, 5 Gbit/s, or 10 Gbit/s.
02353SJT-001 02353SJT-011	S5732-H48UM2CC 2.5&10G Bundle (36*100M/1G/2.5G, 12*100M/1G/2.5G/5G/10G Ethernet ports, Optional RTU upgrade to 5/10G, 4*25GE + 2*40GE or 2*100GE, 1*expansion slot, PoE++, 1*1000W AC power)	By default, one 1000 W AC power module is configured. By default, the first 36 multi-GE ports support 100 Mbit/s, 1000 Mbit/s, and 2.5 Gbit/s. You can purchase an RTU license to increase the port rate to 5 Gbit/s or 10 Gbit/s. By default, the last 12 multi-GE ports support 100 Mbit/s, 1000 Mbit/s, 2.5 Gbit/s, 5 Gbit/s, and 10 Gbit/s. There is a label on the rear side of the device, which contains the default rate "36*2.5GE+12*10GE" supported by the multi-GE ports.
02353SJT-003 02353SJT-013	S5732-H48UM2CC 5G Bundle (48*100M/1G/2.5G/5G Ethernet ports, Optional RTU upgrade to 10G, 4*25GE SFP28 + 2*40GE or 2*100GE QSFP28 ports, 1*expansion slot, PoE++, 1*1000W AC power)	By default, one 1000 W AC power module is configured. By default, multi-GE ports support 100 Mbit/s, 1000 Mbit/s, 2.5 Gbit/s, and 5 Gbit/s. You can purchase an RTU license to increase the port rate to 10 Gbit/s. There is a label on the rear side of the device, which contains the default rate "48*5GE" supported by the multi-GE ports.
02353SJT-004 02353SJT-014	S5732-H48UM2CC 10G Bundle (48*100M/1G/2.5G/5G/10G Ethernet ports, 4*25GE SFP28 + 2*40GE or 2*100GE QSFP28 ports, 1*expansion slot, PoE++, 1*1000W AC power)	By default, one 1000 W AC power module is configured. By default, multi-GE ports support 100 Mbit/s, 1000 Mbit/s, 2.5 Gbit/s, 5 Gbit/s, and 10 Gbit/s. There is a label on the rear side of the device, which contains the default rate "48*10GE" supported by the multi-GE ports.
02353SJT-020	S5732-H48UM2CC Base (48*100M/1G Ethernet ports, Optional RTU upgrade to 2.5/5/10G, 4*25GE SFP28, 2*100GE QSFP28 ports, 1*expansion slot, PoE++, without power module)	By default, no power supply is configured. By default, multi-GE ports support 100 Mbit/s and 1000 Mbit/s. You can purchase an RTU license to increase the port rate to 2.5 Gbit/s, 5 Gbit/s, or 10 Gbit/s.

02353SJT-021	S5732-H48UM2CC 2.5&10G Bundle (36*100M/1G/2.5G, 12*100M/1G/2.5G/5G/10G Ethernet ports, Optional RTU upgrade to 5/10G, 4*25GE SFP28, 2*100GE QSFP28 ports, 1*expansion slot, PoE++, with AC power supply)	By default, one 1000 W AC power module is configured. By default, the first 36 multi-GE ports support 100 Mbit/s, 1000 Mbit/s, and 2.5 Gbit/s. You can purchase an RTU license to increase the port rate to 5 Gbit/s or 10 Gbit/s. By default, the last 12 multi-GE ports support 100 Mbit/s, 1000 Mbit/s, 2.5 Gbit/s, 5 Gbit/s, and 10 Gbit/s. There is a label on the rear side of the device, which contains the default rate "36*2.5GE+12*10GE" supported by the multi-GE ports.
02353SJT-023	S5732-H48UM2CC 5G Bundle (48*100M/1G/2.5G/5G Ethernet ports, Optional RTU upgrade to 10G, 4*25GE SFP28, 2*100GE QSFP28 ports, 1*expansion slot, PoE++, with AC power supply)	By default, one 1000 W AC power module is configured. By default, multi-GE ports support 100 Mbit/s, 1000 Mbit/s, 2.5 Gbit/s, and 5 Gbit/s. You can purchase an RTU license to increase the port rate to 10 Gbit/s. There is a label on the rear side of the device, which contains the default rate "48*5GE" supported by the multi-GE ports.
02353SJT-024	S5732-H48UM2CC 10G Bundle (48*100M/1G/2.5G/5G/10G Ethernet ports, 4*25GE SFP28, 2*100GE QSFP28 ports, 1*expansion slot, PoE++, with AC power supply)	By default, one 1000 W AC power module is configured. By default, multi-GE ports support 100 Mbit/s, 1000 Mbit/s, 2.5 Gbit/s, 5 Gbit/s, and 10 Gbit/s. There is a label on the rear side of the device, which contains the default rate "48*10GE" supported by the multi-GE ports.

Get More Information

Do you have any question about the S5732-H48UM2CC (02353HUB, 02353HUB-002, 02353SJT, 02353SJT-001, 02353SJT-003, 02353SJT-004, 02353SJT-010, 02353SJT-011, 02353SJT-013, 02353SJT-014, 02353SJT-020, 02353SJT-021, 02353SJT-023, 02353SJT-024)?

Contact us now via info@hi-network.com.

Specification

S5732-H48UM2CC Specification		
Part Number	02353HUB, 02353HUB-002, 02353SJT, 02353SJT-001, 02353SJT-003, 02353SJT-004, 02353SJT-010, 02353SJT-011, 02353SJT-013, 02353SJT-014	02353SJT-020, 02353SJT-021, 02353SJT-023, 02353SJT-024
Memory (RAM)	4 GB	
Flash	2 GB in total. To view the available flash memory size, run the display version command.	

Mean time between failures (MTBF)	32.38years	42.49 years
Mean time to repair (MTTR)	2 hours	
Availability	> 0.99999	
Service port surge protection	Common mode: ±6 kV	Common mode: ±7 kV
Power supply surge protection	Using AC power modules: ±6 kV in differential mode, ±6 kV in common mode Using DC power modules: ±2 kV in differential mode, ±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): 43.6 mm x 442.0 mm x 446.0 mm (1.72 in. x 17.4 in. x 17.6 in.)	
Weight (including package)	Without power modules: 8.4 kg (18.52 lb) Including one power module: 9.5 kg (20.94 lb)	Without power modules: 9.53 kg (21.01 lb) Including one power module: 10.57 kg (23.3 lb)
Stack ports	Any Ethernet electrical ports (10GE), optical ports on the front panel (25GE/40GE/100GE), or optical ports on the card (10GE/25GE/40GE/100GE)	
RTC	Supported	
RPS	Not supported	
PoE	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)	Not providing the PoE function: 347 W (without card) 100% PoE loads: 2043 W (PoE: 1571 W, without card)	Not providing the PoE function: 297 W (without card) 100% PoE loads: 2013 W (PoE: 1632 W, without card)
Typical power consumption (30% of traffic load, tested according to ATIS standard)	215 W (without card)	210 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.) NOTE: 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.). The switch cannot be started when the ambient temperature is lower than 0°C (32°F). The operating temperature of the switch is -5°C to 40°C (23°F to 104°F) when it uses QSFP-100G-ER4 optical module.B514	
Storage temperature	-40°C to +70°C (-40°F to +158°F)	
Noise under normal temperature (27°C, sound power)	< 59.2 dB(A)	Dual AC 600 W, 30% load: 49.2 dBA Dual AC 1000 W, 30% load: 51.2 dBA Dual-DC 1000 W, 30% load: 51.2 dBA
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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