

# Datasheet

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## Overview

S1730S-S48T4S-A1 is a Huawei S1730S series switch, providing 24 10/100/1000BASE-T Ethernet ports, 4 Gigabit SFP, and AC power supply. Huawei CloudEngine S1730S series switches are designed for small to medium-sized businesses, including Internet cafes, hotels, schools, and others. With feature-rich services and a silent energy-saving design that's easy to install and maintain, CloudEngine S1730S helps customers build secure, reliable, and high-performance networks.

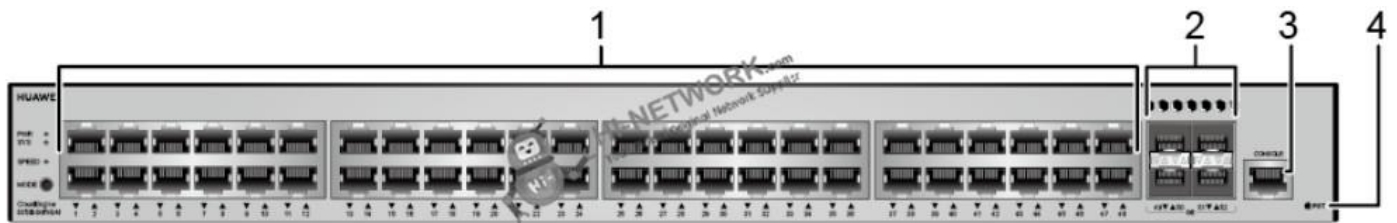
## Quick Specification

Model	S1730S-S48T4S-A1
Part Number	98011336
Memory	512 MB
Flash memory	512 MB
Weight without packaging [kg(lb)]	2.76 kg (6.09 lb)
Weight with packaging [kg(lb)]	3.74 kg (8.25 lb)
Dimensions without packaging (H x W x D) [mm(in.)]	<p>Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 220.0 mm (1.72 in. x 17.4 in. x 8.7 in.)</p> <p>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 227.0 mm (1.72 in. x 17.4 in. x 8.94 in.)</p>
Dimensions with packaging (H x W x D) [mm(in.)]	90.0 mm x 550.0 mm x 360.0 mm (3.54 in. x 21.65 in. x 14.17 in.)

## Datasheet

### Product Details:

#### The Front Panel:



①	Forty-eight 10/100/1000BASE-T ports
②	Four 1000BASE-X ports
③	One console port
④	One RST button

#### The Back Panel:



⑤	Ground screw
⑥	Jack for AC power cable locking strap
⑦	AC socket

### The Accessories for S1730S-S48T4S-A1

#### Modules and Cables:

Product	Description
<a href="#">eSFP-GE-SX-MM850</a>	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm, 0.55km, LC)
<a href="#">SFP-GE-LX-SM1310</a>	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)



## Datasheet

<a href="#">S-SFP-GE-LH40-SM1550</a>	Optical Transceiver, eSFP, GE, Single-mode Module (1550nm, 40km, LC)
<a href="#">S-SFP-GE-LH80-SM1550</a>	Optical Transceiver, eSFP, GE, Single-mode Module (1550nm, 80km, LC)
<a href="#">eSFP-GE-ZX100-SM1550</a>	Optical Transceiver, eSFP, GE, Single-mode Module (1550nm, 100km, LC)
<a href="#">SFP-GE-LX-SM1310-BIDI</a>	Optical Transceiver, eSFP, GE, BIDI Single-mode Module (TX1310/RX1490, 10km, LC)
<a href="#">SFP-GE-LX-SM1310-BIDI</a>	BiDi Transceiver, eSFP, Tx1310nm/Rx1490nm, 1.25Gb/s, -9dBm, -3dBm, -19.5dBm, LC, SM, 10km
<a href="#">SFP-GE-LX-SM1490-BIDI</a>	Optical Transceiver, eSFP, GE, BIDI Single-mode Module (TX1490/RX1310, 10km, LC)
<a href="#">SFP-GE-LX-SM1490-BIDI</a>	BiDi Transceiver, eSFP, Tx1490nm/Rx1310nm, 1.25Gb/s, -9dBm, -3dBm, -19.5dBm, LC, SM, 10km
<a href="#">CWDM-SFPGE-1471</a>	CWDM Optical Transceiver, eSFP, 2.5G, Single-mode Module (1471nm, 80km, LC)
<a href="#">CWDM-SFPGE-1491</a>	CWDM Optical Transceiver, eSFP, 2.5G, Single-mode Module (1491nm, 80km, LC)
<a href="#">CWDM-SFPGE-1511</a>	CWDM Optical Transceiver, eSFP, 2.5G, Single-mode Module (1511nm, 80km, LC)
<a href="#">DWDM-SFPGE-1560-61</a>	DWDM Optical Transceiver.eSFP.2.5G.Single-mode Module (1560.61nm.120km.LC)
<a href="#">SFP-1000BaseT</a>	1000BASE-T (RJ45) SFP Electrical Module, Auto Negotiate, 100m

## Compare to Similar Items

Model	<a href="#">S1730S-S24T4S-A</a>	<a href="#">S1730S-S24P4S-A</a>	<a href="#">S1730S-S48T4S-A</a>	<a href="#">S1730S-S48P4S-A</a>	<a href="#">S1730S-S24T4X-A</a>
Forwarding Performance	41.66 mpps	41.66 mpps	77.38 mpps	77.38 mpps	95.23 mpps
Switching Capacity	168 Gbit/s	168 Gbit/s	216 Gbit/s	216 Gbit/s	168 Gbit/s
Fixed Ports	24 x 10/100/1000Base-T Ethernet ports, 4 x GE SFP ports	24 x 10/100/1000Base-T (PoE+) ports, 4 x GE SFP ports	48 x 10/100/1000Base-T Ethernet ports, 4 x GE SFP ports	48 x 10/100/1000Base-T (PoE+) ports, 4 x GE SFP ports	24 x 10/100/1000Base-T Ethernet ports, 4 x 10GE SFP+ ports

Get more information:

Do you have any question about the S1730S-S48T4S-A1 98011336?

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

## Specific Data Sheet:

Part Number	98011336
Model	S1730S-S48T4S-A1
Description	S1730S-S48T4S-A1 (48*10/100/1000BASE-T ports, 4*GE SFP ports, AC power)
First supported version	V200R020C10
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 220.0 mm (1.72 in. x 17.4 in. x 8.7 in.) Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from



# Datasheet

	the rear panel): 43.6 mm x 442.0 mm x 227.0 mm (1.72 in. x 17.4 in. x 8.94 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	90.0 mm x 550.0 mm x 360.0 mm (3.54 in. x 21.65 in. x 14.17 in.)
Chassis height [U]	1 U
Weight without packaging [kg(lb)]	2.76 kg (6.09 lb)
Weight with packaging [kg(lb)]	3.74 kg (8.25 lb)
Typical power consumption [W]	43.3 W
Typical heat dissipation [BTU/hour]	147.74 BTU/hour
Maximum power consumption [W]	50.4 W
Maximum heat dissipation [BTU/hour]	171.97 BTU/hour
MTBF [year]	56.7 year
MTTR [hour]	2 hour
Availability	>0.99999
Noise at normal temperature (acoustic power) [dB(A)]	48 dB(A)
Noise at normal temperature (acoustic pressure) [dB(A)]	36.2 dB(A)
Number of card slots	0
Number of power slots	0
Number of fans modules	1
Redundant power supply	Not supported
Long-term operating temperature [°C(°F)]	-5°C to +50°C (23°F to 122°F) at an altitude of 0-1800 m (0-5906 ft.)
Short-term operating temperature [°C(°F)]	-5°C to +55°C (23°F to 131°F) at an altitude of 0-1800 m (0-5906 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.).</p> <p>The operating temperature ranges from -5°C to +45°C (23°F to 113°F) when optical modules with transmission distances greater than or equal to 70 km are used.</p> <p>The equipment can operate beyond the normal operating temperature range for a short-term period, but the following conditions must be met:</p> <p>The equipment operates at a temperature of over 50°C (122°F) consecutively for at most 96 hours in one year.</p> <p>The equipment operates at a temperature of over 50°C (122°F) for a total of no more than 360 hours in one year.</p> <p>The equipment operates at a temperature of over 50°C (122°F) for no more in 15 times in one year.</p> <p>The equipment may be damaged or experience unexpected exceptions if any of the preceding limits is exceeded.</p> <p>The equipment cannot start when the temperature is lower than 0°C (32°F). The maximum distance of optical modules used in these conditions cannot exceed 10 km.</p>
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% to 95%, noncondensing
Long-term operating altitude [m(ft.)]	0-5000 m (0-16404 ft.)

## Datasheet

Storage altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Power supply mode	AC built-in
Rated input voltage [V]	AC input: 100 V AC to 240 V AC, 50/60 Hz
Input voltage range [V]	AC input: 90 V AC to 264 V AC, 47 Hz to 63 Hz
Maximum input current [A]	2 A
Memory	512 MB
Flash memory	512 MB
Console port	RJ45
Eth Management port	Not supported
USB	Not supported
RTC	Not supported
RPS input	Not supported
Service port surge protection [kV]	Common mode: $\pm 7$ kV
Power supply surge protection [kV]	$\pm 6$ kV in differential mode, $\pm 6$ kV in common mode
Types of fans	Built-in
Heat dissipation mode	Heat dissipation with fan, intelligent fan speed adjustment
Airflow direction	Air intake from left and front, air exhaustion from right
PoE	Not supported
Certification	EMC certification Safety certification Manufacturing certification

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HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: [info@hi-network.com](mailto:info@hi-network.com)

Skype: echo.hinetwork

WhatsApp Business: +8618057156223

