



## Datasheet

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## Overview

CloudEngine S6730-S series full-featured 10 GE switches are Huawei's new generation fixed switches ,to provide 10 GE downlink ports as well as 40 GE uplink ports. CloudEngine S6730-S can be used to provide high-speed access for 10 Gbit/s access to high-density servers or function as a core/aggregation switch on a campus network to provide 40 Gbit/s rate. In addition, CloudEngine S6730-S provides a wide variety of services, comprehensive security policies, and various QoS features to help customers build scalable, manageable, reliable, and secure campus and data center networks.

## Quick Specification

Model	S6730-S24X6Q
Part Number	02353AJW/02353AJW-001/02353AJW-003/02353AJW-004
Memory	4 GB
Flash memory	2 GB in total. To view the available flash memory size, run the display version command.
PoE	Not supported
Weight with packaging [kg(lb)]	8.9
Weight without packaging [kg(lb)]	5.62 (12.39)
Dimensions (W x D x H)	442 mm x 420 mm x 43.6 mm

## Difference between Part Number

Model	<a href="#">S6730-S24X6Q</a>			
Part Number	02353AJW	02353AJW-001	02353AJW-003	02353AJW-004
Remarks	/	Some models cannot be downgraded due to component upgrade. Therefore, you are advised to run the display system-software	/	/





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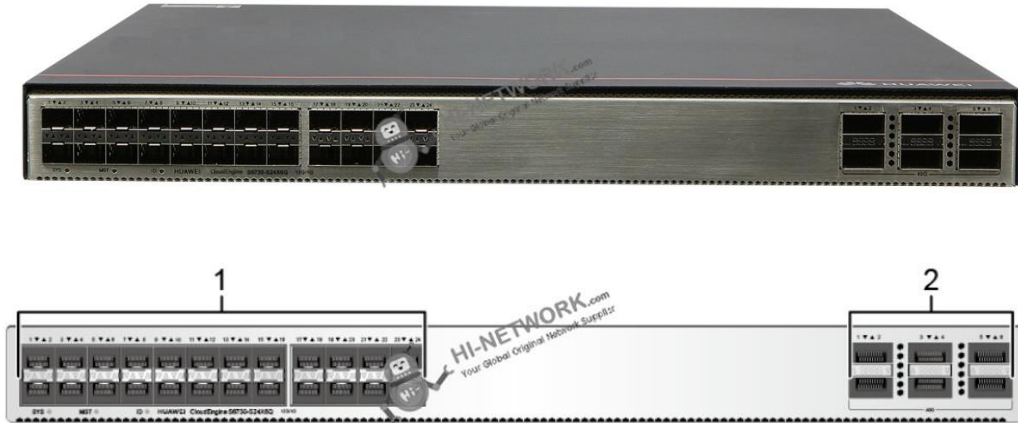
		information command (supported in V200R021C00 and later versions) to check the software versions supported by the device before performing a downgrade.		
Heat dissipation mode	Heat dissipation with fan, intelligent fan speed adjustment	Heat dissipation with fan, intelligent fan speed adjustment	Air cooling for heat dissipation, intelligent fan speed adjustment	Air cooling for heat dissipation, intelligent fan speed adjustment
Input voltage range [V]	- AC input: 90–290 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	- AC input: 90–290 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	- AC input: 90–290 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	- 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 depend on the pluggable power modules in use. For details, see the related power module specifications.	The current specifications depend on the pluggable power modules in use. For details, see the related power module specifications.	The current specifications depend on the pluggable power modules in use. For details, see the related power module specifications.	The current specifications are related to the pluggable power module. For details, see Pluggable Power Modules.
Long-term operating temperature [°C(°F)]	-5°C to +45°C (23°F to 113°F) at an altitude of 0-1800 m (0-5906 ft.)	-5°C to +45°C (23°F to 113°F) at an altitude of 0-1800 m (0-5906 ft.)	-5°C to +45°C (23°F to 113°F) at an altitude of 0 to 1800 m (0 to 5905.51 ft.)	-5°C to +45°C (23°F to 113°F) at an altitude of 0 to 1800 m (0 to 5905.44 ft.)
Long-term operating relative humidity [RH]	5% to 95%, noncondensing	5% to 95%, noncondensing	5% RH to 95% RH (non-condensing)	5% RH to 95% RH (non-condensing)



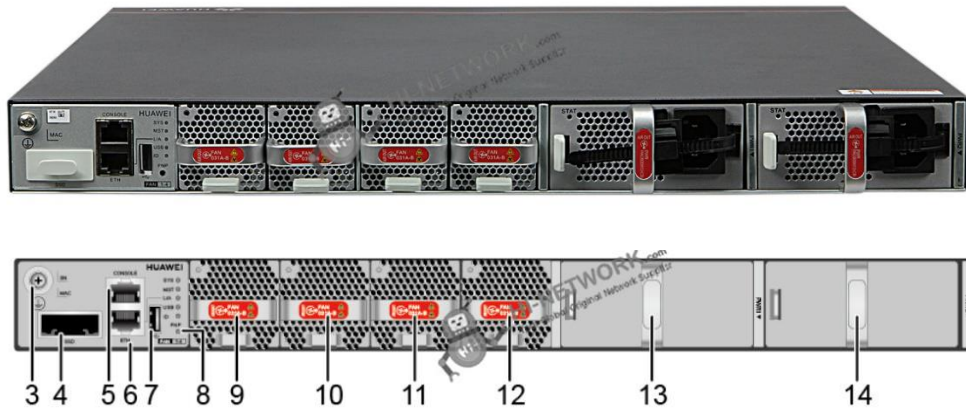
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## Product Details:

### The Front Panel:



### The Back Panel:



①	<p>Twenty-four 10GE SFP+ ports</p> <p>Applicable modules and cables:</p> <ul style="list-style-type: none"> <li>• GE optical module</li> <li>• GE-CWDM optical module</li> <li>• GE-DWDM optical module</li> <li>• GE copper module</li> <li>• 10GE SFP+ optical module (OSXD22N00 not supported)</li> <li>• 10GE-CWDM optical module</li> <li>• 10GE-DWDM optical module</li> <li>• 1 m, 3 m, 5 m, and 10 m SFP+ high-speed copper cables</li> <li>• 3 m and 10 m SFP+ AOC cables</li> </ul>
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	0.5 m and 1.5 m SFP+ dedicated stack cables (supported by the last 16 SFP+ ports and used only for zero-configuration stacking)
②	<p>Six 40GE QSFP+ optical ports</p> <p>Applicable modules and cables:</p> <ul style="list-style-type: none"> <li>• QSFP+ optical module</li> <li>• 1 m, 3 m, and 5 m QSFP+ to QSFP+ high-speed copper cables</li> <li>• 10 m QSFP+ to QSFP+ AOC cable</li> </ul> <p>2 m QSFP28 dedicated stack cable (supported in V200R020C10 and later versions)</p>
③	Ground screw
④	SSD card slot
⑤	One console port
⑥	One ETH management port
⑦	One USB port
⑧	One PNP button
⑨	Fan module slot 1
⑩	Fan module slot 2
⑪	Fan module slot 3
⑫	Fan module slot 4
⑬	Power module slot 1
⑭	Power module slot 2

## The Accessories for S6730-S24X6Q

### Recommended elements for the S6730-S Series

Models	Descriptions
<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)
<a href="#">S-SFP-GE-LH40-SM1310</a>	Optical Transceiver,eSFP,GE,Single-mode Module(1310nm,40km,LC)
<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-SM1490-BIDI</a>	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1490/RX1310,10km,LC)
<a href="#">LE2MGSC40DE0</a>	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1310/RX1490,40km,LC)
<a href="#">LE2MGSC40ED0</a>	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(TX1490/RX1310,40km,LC)

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SFP-GE-ZBXD1	Optical Transceiver,eSFP,GE,BIDI Single-mode Module(1570nm(Tx)/1490nm(Rx),80km,LC)
SFP-GE-ZBXU1	Optical Transceiver,eSFP,GE,BiDi Single-mode Module(1490nm(Tx)/1570nm(Rx),80km,LC)
<a href="#">SFP-GE-BXU1-SC</a>	1000Base,BIDI Optical Transceiver,SFP,GE,Single-mode Module(TX1490nm/RX1310nm,10km,SC)
<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="#">CWDM-SFPGE-1531</a>	CWDM Optical Transceiver,eSFP,2.5G,Single-mode Module(1531nm,80km,LC)
<a href="#">CWDM-SFPGE-1551</a>	CWDM Optical Transceiver,eSFP,2.5G,Single-mode Module(1551nm,80km,LC)
<a href="#">CWDM-SFPGE-1571</a>	CWDM Optical Transceiver,eSFP,2.5G,Single-mode Module(1571nm,80km,LC)
<a href="#">CWDM-SFPGE-1591</a>	CWDM Optical Transceiver,eSFP,2.5G,Single-mode Module(1591nm,80km,LC)
<a href="#">CWDM-SFPGE-1611</a>	CWDM Optical Transceiver,eSFP,2.5G,Single-mode Module(1611nm,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>	Electrical Transceiver,SFP,GE,Electrical Interface Module(100m,RJ45)
<a href="#">SFP-10G-USR</a>	10GBase-USR Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.1km,LC)
<a href="#">OMXD30000</a>	Optical Transceiver,SFP+,10G,Multi-mode Module(850nm,0.3km,LC)
<a href="#">SFP-10G-iLR</a>	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,1.4km,LC)
<a href="#">OSX010000</a>	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,10km,LC)
<a href="#">OSX040N01</a>	Optical Transceiver,SFP+,10G,Single-mode Module(1550nm,40km,LC)
SFP-10G-ER-1310	Optical Transceiver,SFP+,10G,Single-mode Module(1310nm,40km,LC)
<a href="#">SFP-10G-ZR</a>	10GBase-ZR Optical Transceiver,SFP+,10G,Single-mode Module(1550nm,80km,LC)
<a href="#">SFP-10G-BXU1</a>	10GBase,BIDI Optical Transceiver,SFP+,10G,Single-mode Module(TX1270nm/RX1330nm,10km,LC)
<a href="#">SFP-10G-BXD1</a>	10GBase,BIDI Optical Transceiver,SFP+,10G,Single-mode Module(TX1330nm/RX1270nm,10km,LC)
SFP-10G-ER-SM1330-BIDI	Optical Transceiver,SFP+,10G,BIDI Single-mode Module(TX 1330nm/RX 1270nm,40km,LC)
SFP-10G-ER-SM1270-BIDI	Optical Transceiver,SFP+,10G,BIDI Single-mode Module(TX 1270nm/RX 1330nm,40km,LC)
<a href="#">SFP-10G-ZCW1471</a>	Optical Transceiver,SFP+,10G,Single-mode Module(CWDM,1471nm,70km,LC)
<a href="#">SFP-10G-ZCW1491</a>	Optical Transceiver,SFP+,10G,Single-mode Module(CWDM,1491nm,70km,LC)
<a href="#">SFP-10G-ZCW1511</a>	Optical Transceiver,SFP+,10G,Single-mode Module(CWDM,1511nm,70km,LC)
<a href="#">SFP-10G-ZCW1531</a>	Optical Transceiver,SFP+,10G,Single-mode Module(CWDM,1531nm,70km,LC)
<a href="#">SFP-10G-ZCW1551</a>	Optical Transceiver,SFP+,10G,Single-mode Module(CWDM,1551nm,70km,LC)
<a href="#">SFP-10G-ZCW1571</a>	Optical Transceiver,SFP+,10G,Single-mode Module(CWDM,1571nm,70km,LC)
<a href="#">SFP-10G-ZCW1591</a>	Optical Transceiver,SFP+,10G,Single-mode Module(CWDM,1591nm,70km,LC)
<a href="#">SFP-10G-ZCW1611</a>	Optical Transceiver,SFP+,10G,Single-mode Module(CWDM,1611nm,70km,LC)
QSFP-40G-SR4	40GBase-SR4 Optical Transceiver,QSFP+,40G,Multi-mode (850nm,0.15km,MPO)
QSFP-40G-iSR4	40GBase-iSR4 Optical Transceiver,QSFP+,40G,Multi-mode (850nm,0.15km,MPO)(Connect to four SFP+ Optical Transceiver)
QSFP-40G-eSR4	40GBase-eSR4 Optical Transceiver,QSFP+,40G,Multi-mode (850nm,0.3km,MPO)(Connect to four SFP+

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	Optical Transceiver)
QSFP-40G-iSM4	40GBase-iSM4 Optical Transceiver,QSFP+,40G,Single-mode Module (1310nm,1.4km,MPO)(Connect to four SFP+ Optical Transceiver)
QSFP-40G-eSM4	40GBase-eSM4 Optical Transceiver,QSFP+,40G,Single-mode Module (1310nm,10km,MPO)(Connect to four SFP+ Optical Transceiver)

### Compare to Similar Items

Models	S6720-30C-EI-24S-AC	<a href="#">S6730-S24X6Q</a>
Switching Capacity	2.56 Tbit/s	960Gbps/2.4Tbps
Forwarding Performance	720 Mpps	480 Mpps
Fixed Ports	24 x 10 GE SFP+, 2 x 40 GE QSFP+ ports	24 x 10 Gig SFP+, 6 x 40 Gig QSFP+
Power Supply	AC Power Supply	AC/DC Power Supply
Dimensions (W x D x H)	442 mm x 420 mm x 44.4 mm	442 mm x 420 mm x 43.6 mm
Input Voltage	AC:Rated voltage range: 100V to 240V, 50 Hz/60 Hz Maximum voltage range: 90V to 264V, 50 Hz/60 Hz	AC Power <ul style="list-style-type: none"> <li>Rated AC voltage: 100V to 240V AC; 50/60 Hz</li> <li>Max. AC voltage: 90V to 290V AC; 45-65 Hz</li> </ul> DC Power <ul style="list-style-type: none"> <li>Rated DC voltage: -48V~-60V</li> <li>Max. DC voltage: -38.4V DC~-72V DC</li> </ul>

Get more information:

Do you have any question about the S6730-S24X6Q 02353AJW/02353AJW-001/02353AJW-003/02353AJW-004?

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

### Specific Data Sheet:

Part Number	02353AJW/02353AJW-001/02353AJW-003/02353AJW-004
Model	S6730-S24X6Q
Wide [mm]	442.0 mm
Depth [mm]	420.0 mm
Height [mm]	43.6 mm
Chassis height [U]	1
Weight with packaging [kg(lb)]	8.9
Weight without packaging [kg(lb)]	5.62 (12.39)
Typical power consumption [W]	135
Maximum power consumption [W]	249
Typical heat dissipation [BTU/hour]	460.6

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Maximum heat dissipation [BTU/hour]	849.61
Heat dissipation mode	Heat dissipation with fan, intelligent fan speed adjustment
Power supply mode	Pluggable power supply
Rated input voltage [V]	- AC input: 100 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: 90-290 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 depend on the pluggable power modules in use. For details, see the related power module specifications.
Number of card slots	0
Number of power slots	2
Memory	4 GB
Flash memory	2 GB in total. To view the available flash memory size, run the display version command.
Redundant power supply	1+1 Pluggable AC and DC power modules can be used together in the same switch.
Types of fans	Pluggable
Noise at normal temperature (acoustic pressure) [dB(A)]	52
Noise at normal temperature (acoustic power) [dB(A)]	65
Airflow direction	Air intake from front, air exhaustion from rear (front-to-rear)
Long-term operating temperature [°C(°F)]	-5°C to +45°C (23°F to 113°F) at an altitude of 0-1800 m (0-5906 ft.)
Short-term operating temperature [°C(°F)]	Not supported
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Restriction on the operating temperature variation rate	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).
Long-term operating relative humidity [RH]	5% to 95%, noncondensing
Long-term operating altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Storage altitude [m(ft.)]	0-5000 m (0-16404 ft.)
MTBF [year]	62.27
MTTR [hour]	2
Availability	>0.99999
10GE optical interface	24
40G optical interface	6
USB	Supported
Console port	RJ45

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Eth Management port	RJ45
Service port surge protection	-
Power supply surge protection	- AC power module configured: $\pm 6$ kV in differential mode, $\pm 6$ kV in common mode - DC power module configured: $\pm 2$ kV in differential mode, $\pm 4$ kV in common mode
RPS input	Not supported
PoE	Not supported
Certification	EMC certification Safety certification Manufacturing certification

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