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## Overview

ES1BS7706SP0 is the Huawei S7706 PoE Assembly Chassis. The S7700 series switches (S7700 for short) are high-end smart routing switches designed for next-generation enterprise networks. The S7700 design is based on Huawei's intelligent multi-layer switching technology to provide intelligent service optimization methods, such as MPLS VPN, traffic analysis, comprehensive HQoS policies, controllable multicast, load balancing, and security, in addition to high-performance Layer 2 to Layer 4 switching services. The S7700 also features super scalability and reliability.

## Quick Specification

Table 1 shows the quick specification.

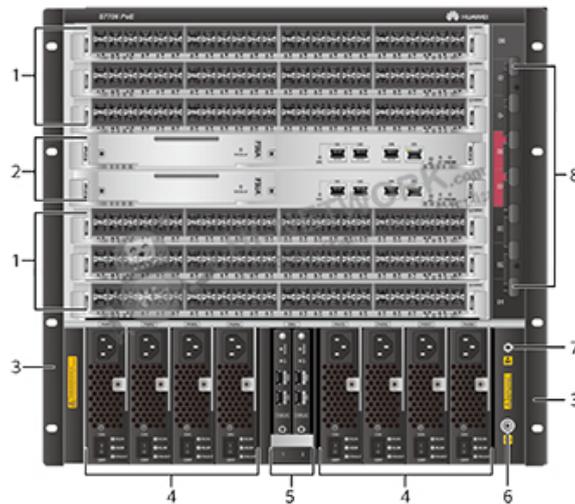
Model	S7706 PoE
Part Number	02115713
Product Code	ES1BS7706SP0
Forwarding Performance	3240 Mpps
Switching Capacity	4.32 Tbps
Service Slots	6
Redundancy Design	Supervisors, Power modules, CMUs, Fans trays
MPU Slots	2
LPU slots	6
Power supply slots	8
Fan slots	2
Maximum power consumption (fully loaded)	2640 W
Working Voltage	DC: -38.4V to -72V AC: 90V to 290V
Dimensions (W x D x H, excluding rack-mounting brackets)	With cable management frames (10 U high): 441.7 mm x 442 mm x 585 mm (17.39 in. x 17.4 in. x 23.0 in.) Without cable management frames (10 U high): 441.7 mm x 442 mm x 517.4 mm (17.39 in. x 17.4 in. x 20.37 in.)
Weight (empty/fully loaded)	21.3 kg/78.1 kg (47.0 lb/172.2 lb)

Figure 1 shows the S7706 PoE chassis appearance.



## Product Details

Figure 2 shows the S7706 PoE chassis structure (front view).



Note:

(1)	<p>Twelve of the following service cards can be installed:</p> <ul style="list-style-type: none"> <li>• Value-Added Service Unit</li> <li>• Open Service Platform Unit</li> <li>• 100M Interface Card</li> <li>• 1000M Interface Card</li> <li>• GE/10GE Interface Card</li> <li>• 10GE Interface Card</li> <li>• 40GE Interface Card</li> <li>• 40GE/100GE Interface Card</li> <li>• 100GE Interface Card</li> </ul>
(2)	Two MPUs
(3)	A pair of mounting brackets

(4)	Eight power modules
(5)	Two EH1D200CMU00-Centralized Monitoring Unit
(6)	Ground screw
(7)	Front ESD jack
(8)	Cable management frames

Figure 3 shows the S7706 PoE chassis structure (rear view).



Note:

(1)	Two Fan Module	(3)	Air filter
(2)	Rear ESD jack	(4)	A pair of removable handles

### Get More Information

Do you have any question about the S7706 PoE (02115713)?

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

### Specification

S7706 PoE Specification	
Model	S7706 PoE
Part Number	02115713
Product Code	ES1BS7706SP0
Description	S7706 PoE assembly chassis
First supported version	V200R013C00

Dimensions without packaging (H x W x D) [mm(in.)]	- With cable management frames: 441.7 mm x 442 mm x 585 mm (17.39 in. x 17.40 in. x 23.03 in.) - Without cable management frames: 441.7 mm x 442 mm x 517.4 mm (17.39 in. x 17.40 in. x 20.37 in.)
Chassis height [U]	10
Cabinet installation standards	N66E/N68E
Weight without packaging [kg(lb)]	21.3 kg (46.96 lb)
Weight without packaging (full configuration) [kg(lb)]	78.1
Maximum power consumption [W]	2640
Maximum heat dissipation [BTU/hour]	9007.94
MTBF [year]	24.2
MTTR [hour]	2
Availability	0.9999959
Noise at normal temperature (acoustic power) [dB(A)]	≤ 72
Number of MPU slots	2
Number of SFU slots	NA
Number of service board slots	6
Number of power slots	8
Number of system power slots	8
Number of PoE power slots	8
Number of fans modules	2
LPU slot direction	Horizontal
Redundant MPUs	The control unit works in hot standby mode, and the switching unit works in 1 + 1 load sharing mode.
Redundant CMUs	Active-standby redundancy
Redundant power supply	8(N+0/N+1/N+N/AUTO)
Redundant fans	2 fan trays
Long-term operating temperature [°C(°F)]	0°C to +45°C (32°F to 113°F) at an altitude of -60 m to +1800 m (-197 ft. to 5906 ft.)
Restriction on the operating temperature variation rate [°C(°F)]	When the altitude is 1800-4000 m (5906-13123 ft.), the highest operating temperature reduces by 1°C (1.8°F) every time the altitude increases by 220 m (722 ft.).
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.)]	-60 m to + 4000 m (-197 ft. to 13123 ft.)
Storage altitude [m(ft.)]	< 5000 m (16404 ft.)
Rated input voltage [V]	- DC input: -48 V DC or -60 V DC - AC input: 110 V AC/220 V AC, 50/60 Hz - High-voltage DC input (3000 W AC power module): 240 V DC
Input voltage range [V]	- DC input: -40 V DC to -72 V DC

	<ul style="list-style-type: none"> <li>- AC input: 90 V AC to 290 V AC; 47 Hz to 63 Hz (When the input voltage ranges from 90 V AC to 175 V AC, the maximum output power of the power module is halved.)</li> <li>- High-voltage DC input (3000 W AC power module): 190 V DC to 290 V DC</li> </ul>
Power supply surge protection [kV]	<ul style="list-style-type: none"> <li>- 800 W AC power module, AC power port: <math>\pm 4</math> kV in common mode and <math>\pm 2</math> kV in differential mode</li> <li>- 2200 W AC power module, AC power port: <math>\pm 4</math> kV in common mode and <math>\pm 2</math> kV in differential mode</li> <li>- 3000 W AC power module, AC power port: <math>\pm 6</math> kV in common mode and <math>\pm 6</math> kV in differential mode</li> <li>- 2200 W DC power module, DC power port: <math>\pm 4</math> kV in common mode and <math>\pm 2</math> kV in differential mode</li> </ul>
Heat dissipation mode	Absorb air
Airflow direction	Left-to-right back airflow
PoE	Supported
Relationship between PoE and system power modules [W]	Shared system power supply, supporting the N +0/N+1/N+N/AUTO mode
Maximum PoE output power per slot [W]	48*100W=4800W
Maximum number of PoE ports per slot	48
Maximum PoE output power [W]	30000 W
Maximum power output capability (including the system power output and PoE power output) [W]	<ul style="list-style-type: none"> <li>8*800 W AC: 6400 W (220 V input); 3200 W (110 V input)</li> <li>8*2200 W AC: 19600 W (220 V input); 8800 W (110 V input)</li> <li>8*3000 W AC: 24000 W (220 V input); 12000 W (110 V input)</li> <li>8*2200 W DC: 19600 W</li> </ul>
Certification	<ul style="list-style-type: none"> <li>EMC certification</li> <li>Safety certification</li> <li>Manufacturing certification</li> </ul>

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S7706 PoE (02115713)

Datasheet



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