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# Overview

ES0B00770600 is the Huawei S7706 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 |
| Part Number | 02113305 |
| Product Code | ES0B00770600 |
| 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 |
| System power supply slots | 4 |
| Fan slots | 2 |
| PoE power supply slots | 4 |
| Maximum PoE Power | 8,800 W |
| Maximum power consumption (fully loaded) | 2000 W |
| Working Voltage | DC: –38.4V to –72V<br>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.)<br>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) | 15 kg/61.8 kg (33.1 lb/136.2 lb) |



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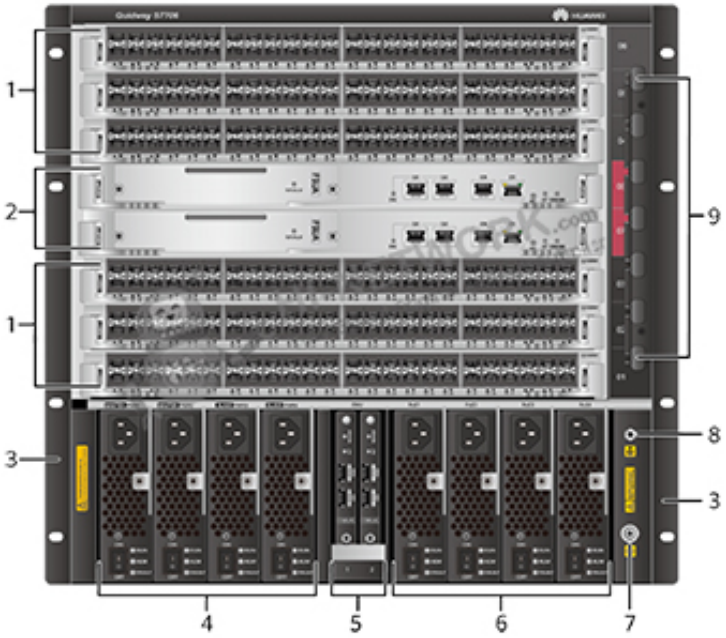
**Figure 1 shows the S7706 chassis appearance.**

# Product Details

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

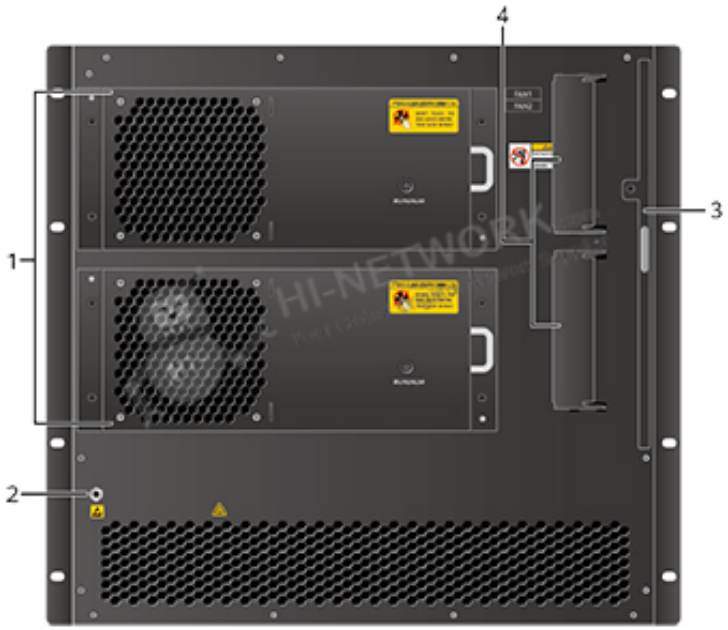



Note:

| | |
|---|---|
| (1) | Six of the following service cards can be installed:<br>● Value-Added Service Unit<br>● Open Service Platform Unit<br>● 100M Interface Card<br>● 1000M Interface Card<br>● GE/10GE Interface Card<br>● 10GE Interface Card<br>● 40GE Interface Card |

| | |
|---|---|
| | ● 40GE/100GE Interface Card<br>● 100GE Interface Card |
| (2) | Two MPUs |
| (3) | A pair of mounting brackets |
| (4) | Four power modules |
| (5) | Two EH1D200CMU00-Centralized Monitoring Unit |
| (6) | Four PoE power module<br>● 2200 W AC Power Module<br>● 800 W AC Power Module<br>● 2200 W DC Power Module (Supported in V200R006C00 and later versions)<br>● 3000 W AC Power Module (Supported in V200R012C00 and later versions) |
| (7) | Ground screw |
| (8) | Front ESD jack |
| (9) | Cable management frames |

**Figure 3 shows the S7706 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 (02113305)?

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# Specification

| S7706 Specification | |
|---|---|
| Model | S7706 |
| Part Number | 02113305 |
| Product Code | ES0B00770600 |
| Description | S7706 Assembly Chassis |
| First supported version | V100R003C01 |
| 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.)<br>- 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)] | 15 kg (33.07 lb) |
| Weight without packaging (full configuration) [kg(lb)] | 61.8 |
| Maximum power consumption [W] | 2200 |
| Maximum heat dissipation [BTU/hour] | 7506.62 |
| 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 | 4 |
| Number of PoE power slots | 4 |
| 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 | System power supply area: 4 (2:2)<br>PoE power supply area: 4(M+N)/PoE switch<br>0/non-PoE switch |
| 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<br>- AC input: 110 V AC/220 V AC, 50/60 Hz<br>- High-voltage DC input (3000 W AC power module): 240 V DC |
| Input voltage range [V] | - DC input:<br>1600 W DC power module: -38.4 V DC to -72 V DC<br>2200 W DC power module: -40 V DC to -72 V DC<br>- AC input:<br>90 V AC to 290 V AC, 47 Hz to 63 Hz (The maximum output power reduces by a half when the input voltage ranges from 90 V AC to 175 V AC.)<br>- High-voltage DC input (3000 W AC power module): 190 V DC to 290 V DC |
| Power supply surge protection [kV] | - 800 W AC power module, AC power port: ±4 kV in common mode and ±2 kV in differential mode<br>- 2200 W AC power module, AC power port: ±4 kV in common mode and ±2 kV in differential mode<br>- 3000 W AC power module, AC power port: ±6 kV in common mode and ±6 kV in differential mode<br>- 2200 W DC power module, DC power port: ±4 kV in common mode and ±2 kV in differential mode<br>- 1600 W DC power module, DC power port: ±2 kV in common mode and ±1 kV in differential mode |
| Heat dissipation mode | Absorb air |
| Airflow direction | Left-to-right back airflow |
| PoE | Supported |
| Relationship between PoE and system power modules [W] | PoE power modules are independent from system power modules |
| Maximum PoE output power per slot [W] | PoE chassis:<br>Versions earlier than V200R013C00: 1440 W<br>V200R013C00 and later versions: 1776 W<br>Non-PoE chassis: 0 W |
| Maximum number of PoE ports per slot | 48 |
| Maximum PoE output power [W] | PoE switch: 9000 W<br>Non-PoE switch: 0 W |
| Maximum power output capability (including the system power output and PoE power output) [W] | System power supply area:<br>4*800 W AC: 1600 W (220 V input);<br>800 W (110 V input)<br>4*2200 W AC: 4400 W (220 V input);<br>2200 W (110 V input)<br>4*3000 W AC: 4400 W (220 V input);<br>3000 W (110 V input)<br>4*2200 W DC: 4400 W<br>PoE power supply area: |

| | |
|---|---|
| | 4*800 W AC: 3200 W (220 V input);<br>1600 W (110 V input)<br>4*2200 W AC: 8800 W (220 V input);<br>4400 W (110 V input)<br>4*3000 W AC: 9000 W (220 V input);<br>6000 W (110 V input)<br>4*2200 W DC: 8800 W |
| Certification | EMC certification<br>Safety certification<br>Manufacturing certification |

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