

Overview

Offering high-performance, high port density, and low latency, CloudEngine 6800 series switches enable enterprises and carriers alike to build cloud-oriented data center networks. The series features an advanced hardware design combined with either 10 GE, 25 GE, or 50 GE access ports, and 40 GE, 100 GE, or 200 GE uplink ports. Advanced data center features, high-performance stacking technologies, and flexible airflow capabilities complete the series. CloudEngine 6800 is well-suited to both the core and aggregation layers, and is fully compatible with CloudEngine 16800 and 12800 series switches, enabling enterprises to build scalable, simplified, open, and secure networks.

Quick Specification

Table 1 shows the quick specification.

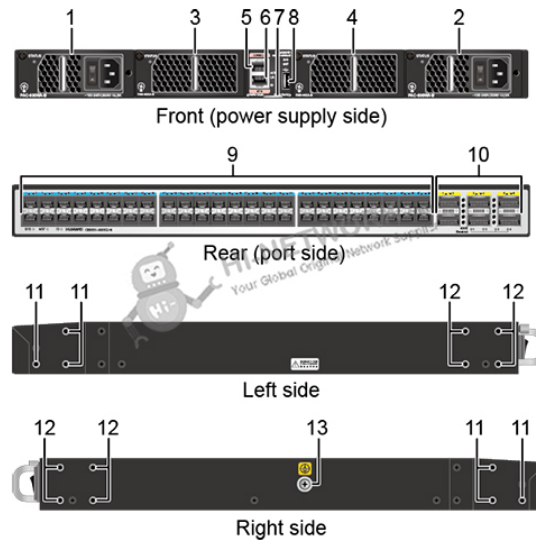
| | |
|---------------------------|--|
| Model | CE6851-48S6Q-HI-X |
| Part Number | 02350TJJ |
| Description | CE6851-48S6Q-HI Switch (48-Port 10G SFP+, 6-Port 40GE QSFP+, Without FAN Box and Power Module) |
| Dimensions (H x W x D) | 442.0 mm x 420.0 mm x 43.6 mm (17.4 in. x 16.5 in. x 1.72 in.) |
| Weight | 8.7 kg (19.18 lb) |
| Maximum power consumption | 245 W |
| Maximum heat dissipation | 836 BTU/hr |

Figure 1 shows the appearance of CE6851-48S6Q-HI-X.



Product Details

Figure 2 shows the structure of CE6851-48S6Q-HI-X.



Note:

| | | | |
|-----|----------------------------|------|---|
| (1) | Power supply slot 1 | (8) | USB port |
| (2) | Power supply slot 2 | (9) | Forty-eight 10GE SFP+ Ethernet optical ports |
| (3) | Fan slot 1 | (10) | Six 40GE QSFP+ Ethernet optical ports |
| (4) | Fan slot 2 | (11) | Three port-side mounting holes for mounting brackets |
| (5) | Console port | (12) | Four power-supply-side mounting holes for mounting brackets |
| (6) | ETH management port (RJ45) | (13) | Ground screw |
| (7) | Barcode label | | |

Get More Information

Do you have any question about the CE6851-48S6Q-HI-X (02350TJJ)?

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

Specification

| CE6851-48S6Q-HI-X Datasheet | |
|-----------------------------|-------------------|
| Model | CE6851-48S6Q-HI-X |



| | |
|--|--|
| Part Number | 02350TJJ |
| Description | CE6851-48S6Q-HI Switch (48-Port 10G SFP+, 6-Port 40GE QSFP+, Without FAN Box and Power Module) |
| Dimensions (W x D x H) | 442.0 mm x 420.0 mm x 43.6 mm (17.4 in. x 16.5 in. x 1.72 in.) |
| Weight (with two power modules and two fan modules, calculated based on the heaviest model if multiple models are supported) | 8.7 kg (19.18 lb) |
| Operating temperature | 0°C to 40°C (32°F to 104°F) at altitude of 0-1800 m (0-5906 ft.) NOTE: When the altitude is 1800-5000 m (5996-16404 ft.), the highest operating temperature reduces by 1°C (1.8°F) every time the altitude increases by 220 m (722 ft.). |
| Storage temperature | -40°C to +70°C (-40°F to +158°F) |
| Relative humidity | 5% RH to 95% RH, noncondensing |
| Altitude | < 5000 m (16404 ft.) |
| Noise (sound pressure, 27°C) | Back-to-front airflow: < 56 dBA Front-to-back airflow: < 58 dBA |
| Power source type | AC/DC |
| AC power input | Rated input voltage range: 100 V AC to 240 V AC, 50/60 Hz Maximum input voltage range: 90 V AC to 290 V AC, 47 Hz to 63 Hz |
| DC power input | Rated voltage range: -48 V DC to -60 V DC Maximum voltage range: -38.4 V DC to -72 V DC |
| High-voltage DC power input | Not supported |
| Rated input current | 350 W DC power (PDC-350WA series): 11 A (-48 V DC to -60 V DC) 600 W AC power (PAC-600WA series): 9 A (100 V AC to 240 V AC) |
| Maximum power consumption | 245 W |
| Typical power consumption | 145 W (100% throughput, SFP+ cables on 48 ports and QSFP+ cables on 6 ports, double power modules) |
| Maximum heat dissipation | 836 BTU/hr |
| Typical heat dissipation | 495 BTU/hr (100% throughput, SFP+ cables on 48 ports and QSFP+ cables on 6 ports, double power modules) |
| Surge protection | Power module: AC: 6 kV in common mode and 6 kV in differential mode DC: 4 kV in common mode and 2 kV in differential mode |
| Heat dissipation mode | Air cooling |
| Airflow | Front-to-back or back-to-front, depending on the fan modules and power modules |
| Power module backup | 1+1 backup |
| Fan module backup | 1+1 backup not supported NOTE: A CE6800 chassis uses two fan modules, with each fan module containing two fans. The four fans in the chassis work in 3+1 backup mode. |





| | |
|--|---|
| Hot swap | Supported by all power modules and fan modules |
| Mean time between failures (MTBF) | 49.08 years |
| Mean time to repair (MTTR) | 1.77 hours |
| Availability | 0.99999587522 |
| Processor | 1.2 GHz, quad-core |
| DRAM Memory | 2 GB |
| NOR Flash | 16 MB |
| NAND Flash | 1 GB |
| Service port supporting the stack function | 10GE optical ports and 40GE optical ports |
| Certification | Safety standards compliance EMC standards compliance Environmental standards compliance |

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