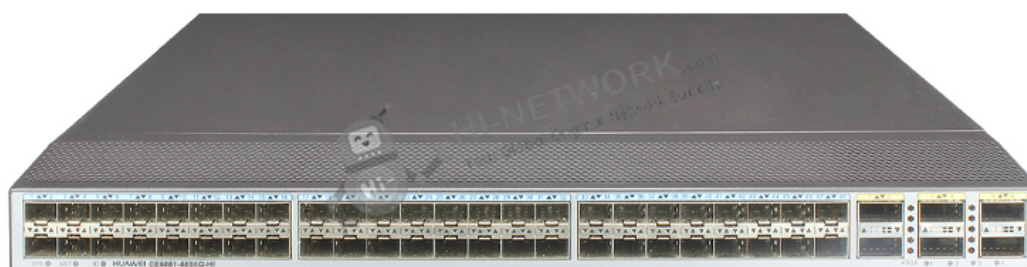## Overview

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.

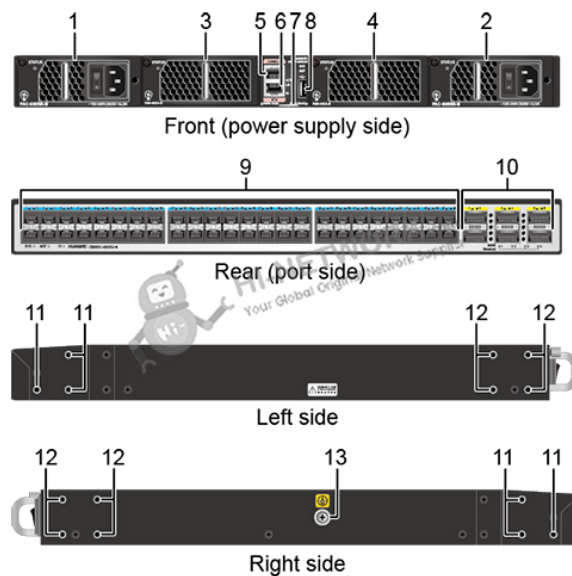|	
Model	CE6851-HI-B-B0A
Part Number	02350JAS
Description	CE6851-48S6Q-HI Switch (48-Port 10G SFP+, 6-Port 40GE QSFP+, 2*AC Power Module, 2*FAN Box, Port-side Intake)
Dimensions (H x W x D)	442.0 mm x 420.0 mm x 43.6 mm (17.4 in. x 16.5 in. x 1.72 in.)
Weight	8.7 kg (19.18 lb)
Maximum power consumption	245 W
Maximum heat dissipation	836 BTU/hr

Figure 1 shows the appearance of CE6851-HI-B-B0A.

Product Details

Figure 2 shows the structure of CE6851-HI-B-B0A.

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-HI-B-B0A (02350JAS)?

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

Specification

CE6851-HI-B-B0A Datasheet

Model	CE6851-HI-B-B0A
Part Number	02350JAS
Description	CE6851-48S6Q-HI Switch (48-Port 10G SFP+, 6-Port 40GE QSFP+, 2*AC Power Module, 2*FAN Box, Port-side Intake)
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 (5096-16404 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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HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

WhatsApp Business: +8618057156223