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Overview

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.

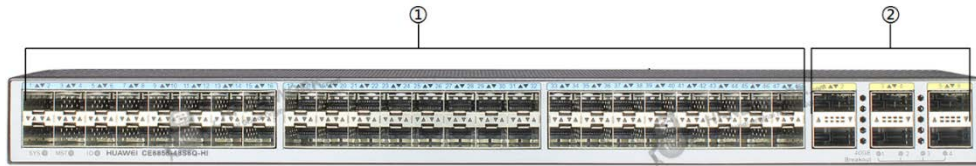
Model	CE6856-HI-F-B0A
Part Number	02351YPN
Description	48-Port 10G SFP+, 6-Port 40GE QSFP+, 2*AC Power Module, 2*FAN Box, Port-side Exhaust
Processor	1.2 GHz, quad-core
DRAM Memory	4 GB
NOR Flash	16 MB
NAND Flash	1 GB
Mean time between failures (MTBF)	48.83 years
Mean time to repair (MTTR)	1.73 hours
Availability	0.99999595166
Hot swap	Supported by all power modules and fan modules

Figure 1 shows the appearance of CE6856-HI-F-B0A.



Product Details

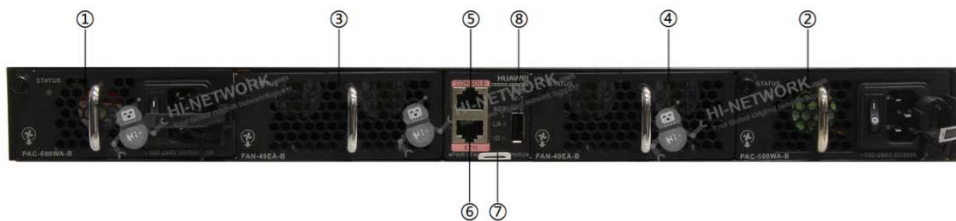
Figure 2 shows the front (port side) panel of CE6856-HI-F-B0A.



Note:

(1)	Forty-eight 10GE SFP+ Ethernet optical ports
(2)	Six 40GE QSFP+ Ethernet optical ports

Figure 3 shows the rear (power supply side) panel of CE6856-HI-F-B0A.



Note:

(1)	Power supply slot 1	(5)	Console port
(2)	Power supply slot 2	(6)	ETH management port (RJ45)
(3)	Fan slot 1	(7)	Barcode label
(4)	Fan slot 2	(8)	USB port

Supported Transceivers

Table 2 shows the recommended models.

Model	Description
OMXD30000	Huawei Optical Transceiver OMXD30000, SFP+, 10G, Multi-mode Module (850nm, 0.3km, LC)
SFP-GE-LX-SM1310	Optical Transceiver, eSFP, GE, Single-mode Module (1310nm, 10km, LC)
OMXD30009	Transceiver, QSFP+, 1310nm, 41.25Gbps, -7dBm, 2.3dBm, -11.5dBm, LC, SMF, 10
eSFP-GE-SX-MM850	Optical Transceiver, eSFP, GE, Multi-mode Module (850nm,0.5km, LC)

Get More Information

Do you have any question about the CE6856-HI-F-B0A (02351YPN)?

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

Specification

CE6856-HI-F-B0A Specification		
Model	CE6856-HI-F-B0A	
Part Number	02351YPN	
Description	48-Port 10G SFP+, 6-Port 40GE QSFP+, 2*AC Power Module, 2*FAN Box, Port-side Exhaust	
Item	Description	
Physical specifications	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.)	
Environment parameters	Temperature	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 specifications	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)
Chassis power consumption	Maximum power consumption	216 W
	Typical power consumption	116 W (100% throughput, SFP+ cables on 48 ports and QSFP+ cables on 6 ports, double power modules)
Chassis heat dissipation	Maximum heat dissipation	737 BTU/hr
	Typical heat dissipation	396 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	Heat dissipation mode	Air cooling
	Airflow	Front-to-back or back-to-front, depending on the fan modules and power modules
Reliability and availability	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)	48.83 years
	Mean time to repair (MTTR)	1.73 hours
	Availability	0.99999595166
Technical specifications	Processor	1.2 GHz, quad-core
	DRAM Memory	4 GB
	NOR Flash	16 MB
	NAND Flash	1 GB
Stack	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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CE6856-HI-F-B0A (02351YPN)

Datasheet



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