

Overview

A series of high port density switches, CloudEngine 8800 brings a combination of both high performance and low latency to cloud-oriented data center networks and high-end campus networks alike. Additionally, the series supports an extensive range of data center features, Software-Defined Networking (SDN) capabilities, and high performance stacking technologies. With 10, 25, 40, 100, 200, and 400 GE ports, as well as flexible plug-in cards, CloudEngine 8800 is well suited for both the core and aggregation layers. The series is also compatible with CloudEngine 16800, 12800, 6800, and 5800 series switches, helping enterprises build networks that are scalable, simplified, open — and secure.

Quick Specification

Table 1 shows the quick specification.

Model	CE8850E-32CQ-EI-B
Part Number	02354LHX, 02354LHX-001
Description	CE8850E-32CQ-EI Switch (32*100GE QSFP28, 1*10GE SFP+, 2*AC power module, 4*fan module, port-side intake)
Memory	4 GB
Flash memory	4 GB
Static power consumption [W]	165 W
Static heat dissipation [BTU/hour]	563 BTU/hour

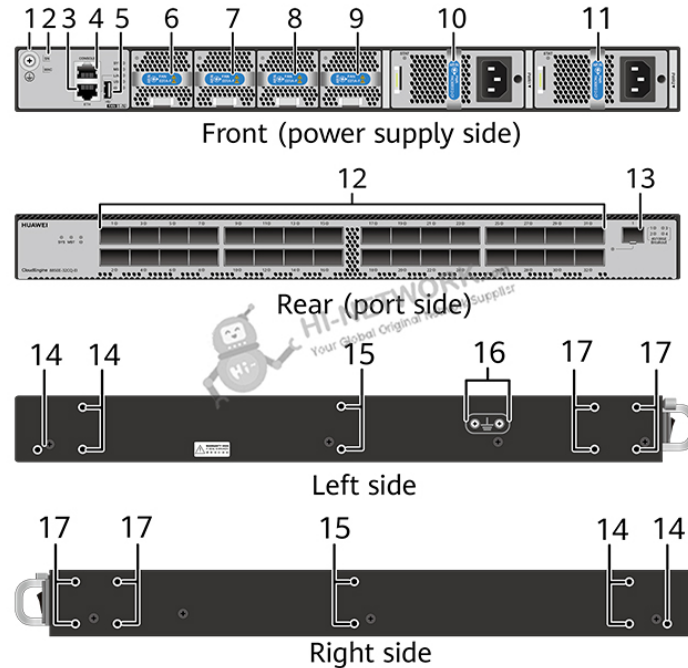
Figure 1 shows the appearance of CE8850E-32CQ-EI-B.





Product Details

Figure 2 shows the structure of CE8850E-32CQ-EI-B.



Note:

(1)	Ground screw	(10)	Power supply slot 1
(2)	Equipment serial number (ESN)	(11)	Power supply slot 2
(3)	ETH management port (RJ45)	(12)	Thirty-two 40GE/100GE SFP28 Ethernet optical ports
(4)	Console port	(13)	One 10GE SFP+ Ethernet optical port
(5)	USB port	(14)	Three port-side mounting holes for mounting brackets
(6)	Fan slot 1	(15)	Two middle mounting holes for mounting brackets
(7)	Fan slot 2	(16)	Equipotential bonding
(8)	Fan slot 3	(17)	Four power-supply-side mounting holes for mounting brackets
(9)	Fan slot 4		

Get More Information

Do you have any question about the CE8850E-32CQ-EI-B (02354LHX, 02354LHX-001)?

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





Specification

CE8850E-32CQ-EI-B Datasheet	
Model	CE8850E-32CQ-EI-B
Part Number	02354LHX, 02354LHX-001
Description	CE8850E-32CQ-EI Switch (32*100GE QSFP28, 1*10GE SFP+, 2*AC power module, 4*fan module, port-side intake)
Dimensions with packaging (H x W x D) [mm (in.)]	175 mm x 650 mm x 550 mm (6.89 in. x 25.59 in. x 21.65 in.)
Dimensions without packaging (H x W x D) [mm (in.)]	<p>- Basic dimensions (the depth excludes the parts protruding from the body): 43.6 mm x 442.0 mm x 420.0 mm (1.72 in. x 17.40 in. x 16.54 in.)</p> <p>- Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from the rear panel): 43.6 mm x 442.0 mm x 446.5 mm (1.72 in. x 17.40 in. x 17.58 in.)</p>
Weight without packaging [kg (lb)]	6.0 kg (13.23 lb) (excluding optical modules, power modules, and fan modules)
Weight without packaging (full configuration) [kg (lb)]	8.6 kg (18.96 lb) (including AC power modules and fan modules, excluding optical modules, calculated based on the heaviest model if multiple models are supported)
Weight with packaging [kg (lb)]	9.3 kg (20.50 lb)
Weight with packaging (full configuration) [kg (lb)]	11.6 kg (25.57 lb)
Chassis height [U]	1
Installation Type	Cabinet Installation
Switching capacity	To obtain data of this specification item, see the corresponding datasheet or contact the product sales personnel.
CPU	4-core, 1.4 GHz
Memory	DRAM: 4 GB
NOR Flash	64 MB
NAND Flash	4 GB
USB	Supported
Power supply mode	DC pluggable, AC pluggable, HVDC pluggable
Console port	RJ45
Downlink Service interface	<p>32 x 100GE QSFP28 ports and 1 x 10GE SFP+ port, regardless of the direction (uplink or downlink)</p> <p>Note:</p> <ol style="list-style-type: none"> 100GE ports except port 23 can be split into 4 x 25GE or 4 x 10GE ports. After the split, they cannot be used as GE ports. Splitting 100GE port 23, using 10GE port 1, and configuring IOAM are mutually exclusive. 100GE port 23 supports only static split, and the device needs to be restarted for the split to take effect.





	<p>3. The 10GE SFP+ port can function as a GE SFP optical/electrical port.</p> <p>4. Supported optical modules:</p> <p>(1) In the case of port-side air intake, 100GE ports support 100G-AOC/SR4/DR/LR4/4WDM optical modules.</p> <p>(2) In the case of port-side air exhaust, 100GE ports support 100G-AOC/SR4/DR/LR4 optical modules.</p>
Service port supporting the stack function	100GE optical port
RTC	Supported
Typical power consumption [W]	<p>203 W (100% traffic load, copper cables on half of ports, normal temperature, dual AC power modules)</p> <p>244 W (100% traffic load, short-distance optical modules on half of ports, normal temperature, dual AC power modules)</p>
Typical heat dissipation [BTU/hour]	<p>693 BTU/hour (100% traffic load, copper cables on half of ports, normal temperature, dual AC power modules)</p> <p>833 BTU/hour (100% traffic load, short-distance optical modules on half of ports, normal temperature, dual AC power modules)</p>
Static power consumption [W]	165 W
Static heat dissipation [BTU/hour]	563 BTU/hour
Maximum power consumption [W]	<p>339 W (100% traffic load, short-distance optical modules on all ports, normal temperature, dual AC power modules)</p> <p>450 W (100% traffic load, long-distance optical modules on all ports, 40°C or 104°F, dual AC power modules)</p>
Maximum heat dissipation [BTU/hour]	<p>1157 BTU/hour (100% traffic load, short-distance optical modules on all ports, normal temperature, dual AC power modules)</p> <p>1535 BTU/hour (100% traffic load, long-distance optical modules on all ports, 40°C or 104°F, dual AC power modules)</p>
Number of power modules	2
Redundant power supply	1+1 backup
Rated input voltage [V]	<p>- 600 W AC&240 V DC power module: AC: 100 V AC to 240 V AC, 50/60 Hz; DC: 240 V DC</p> <p>- 1000 W DC power module: -48 V DC to -60 V DC</p> <p>- 1200 W high-voltage DC power module: 240 V DC to 380 V DC</p>
Input voltage range [V]	<p>- 600 W AC&240 V DC power module: AC: 90 V AC to 290 V AC, 45 Hz to 65 Hz; DC: 190 V DC to 290 V DC</p> <p>- 1000 W DC power module: -38.4 V DC to -72 V DC</p> <p>- 1200 W high-voltage DC power module: 190 V DC to 400 V DC</p>
Maximum input current [A]	<p>- 600 W AC&240 V DC power module: 8 A (100 V AC to 240 V AC); 4 A (240 V DC)</p> <p>- 1000 W DC power module: 30 A (-48 V DC to -60 V DC)</p> <p>- 1200 W high-voltage DC power module: 8 A</p>
Rated output power [W]	<p>- 600 W AC&240 V DC power module: 600 W</p> <p>- 1000 W DC power module: 1000 W</p> <p>- 1200 W high-voltage DC power module: 1200 W</p>
Certification	<p>- Compliance with safety standards</p> <p>- Compliance with EMC standards</p>





	- Compliance with environment and environmental protection standards
Power supply surge protection [kV]	AC: 6 kV in common mode and 6 kV in differential mode DC: 4 kV in common mode and 2 kV in differential mode HVDC: 4 kV in common mode and 2 kV in differential mode
Types of fans	Pluggable
Number of fans	4
Redundant fans	The device supports 3+1 backup of fan modules that work in hot standby mode. The system can operate properly for a short period of time after a single fan module fails. You are advised to replace the faulty fan module immediately.
Heat dissipation mode	Air cooling
Airflow direction	Front-to-back or back-to-front airflow, depending on the selected fan modules and power modules
Availability	0.999993932
MTBF [year]	35.88 years
MTTR [hour]	1.89 hours
Noise at normal temperature (27°C, sound pressure) [dB(A)]	Front-to-back airflow: 49.8 dB(A) on average (maximum: 53.6 dB(A)) Back-to-front airflow: 47.8 dB(A) on average (maximum: 51.2 dB(A))
Noise at high temperature (40°C, sound pressure) [dB(A)]	Front-to-back airflow: 67.6 dB(A) on average (maximum: 73.4 dB(A)) Back-to-front airflow: 68 dB(A) on average (maximum: 75.4 dB(A))
Long-term operating altitude [m (ft.)]	≤ 5000 m (16404 ft.)
Long-term operating relative humidity [RH]	5% RH to 95% RH, noncondensing
Long-term operating temperature [°C (°F)]	0°C to 40°C (32°F to 104°F) at an 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 altitude [m (ft.)]	≤ 5000 m (16404 ft.)
Storage relative humidity [RH]	5% to 95% RH, non-condensing
Storage temperature [°C (°F)]	-40°C to +70°C (-40°F to +158°F)

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CE8850E-32CQ-EI-B (02354LHX/-001)

Datasheet

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