

# Datasheet

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## Overview

NE40E-X8 Integrated Chassis Components (Including 4 DC Power)

## Quick Specification

Product Code	NE40E-X8 DC
Part Number	02351930
Model	CR5B0BKP0870
Switching Capacity	7.08 Tbps (LPUF-240/LPUI-240)
Forwarding Performance	2800 Mpps (LPUF-240)
Number of Slots	11
Dimensions (H x W x D) mm	(14 U) 620 mm x 442 mm x 650 mm (24.41 in. x 17.40 in. x 25.59 in.)(Chassis main body)
	(14 U) 620 mm x 442 mm x 770 mm (24.41 in. x 17.40 in. x 30.31 in.)(Dimensions of the chassis body together with cable trays and front and back attachments)
Weight in Full Configuration	136 kg (299.88 lb)

**Product Details:**

**The Front Panel:**



**The Back Panel:**



**The Accessories for NE40E-X8 DC**

**NE40-X8 DC-input Power Cable**



Distance from the PDF to the NE40E-X8	Item	Specification	Huawei BOM Number	Remarks
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Shorter than or equal to 15 m (49.21 ft.)	DC power cable	16 mm <sup>2</sup> (6 AWG)	25030430	Blue DC power cable
			25030428	Black DC power cable
	OT/JG2 terminal	16 mm <sup>2</sup> (6 AWG)–M6 double-hole JG2 naked crimping terminal	14170116	Connect to the NE40E-X8
Greater than 15 m (49.21 ft.) and less than 25 m (82.02 ft.)	DC power cable	25 mm <sup>2</sup> (4 AWG)	25030101	Blue DC power cable
			25030432	Black DC power cable
	OT/JG2 terminal	25 mm <sup>2</sup> (4 AWG)–M6 double-hole JG2 naked crimping terminal	14170119	It is connect to the NE40E-X8
			25 mm <sup>2</sup> (4 AWG)–M8 single-hole OT naked crimping terminal	14170060
	Greater than 25 m (82.02 ft.) and less than 35 m (114.83 ft.)	DC power cable	35 mm <sup>2</sup> (2 AWG)	25030199
25030420				Black DC power cable
OT/JG2 terminal		35 mm <sup>2</sup> (2 AWG)–M6 double-hole JG2 naked crimping terminal	14170159	It is connect to the NE40E-X8
	35 mm <sup>2</sup> (2 AWG)–M8 single-hole OT naked crimping terminal		14170063	It is connect to the PDF
Greater than 35 m (114.83 ft.)	-	A PDF or end of row needs to be placed near the NE40E-X8.	-	-

## Cables and terminals

DC power cable

JG2/OT terminal

Heat-shrink tube

Get more information:

Do you have any question about the NE40-X8 DC 02351930?

Contact us now via e-mail: [info@hi-network.com](mailto:info@hi-network.com)

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## Specific Data Sheet:

Product Name	NE40-X8-DC
Part Number	02351930
Model	CR5B0BKP0870
First supported version	V800R006C20
Switching Capacity	7.08 Tbps (LPUF-240/LPUI-240)
Forwarding Performance	2800 Mpps (LPUF-240)
Number of Slots	11
Cabinet installation standard	Can be installed in a standard 19" 800 mm-deep cabinet. A Huawei 2.2 m-high N68E cabinet is used by default.
Typical power consumption	3220 W (fully configured with LPUF-240s)
Dimensions (W x D x H)	(14 U) 620 mm x 442 mm x 650 mm (24.41 in. x 17.40 in. x 25.59 in.)(Chassis main body)
	(14 U) 620 mm x 442 mm x 770 mm (24.41 in. x 17.40 in. x 30.31 in.)(Dimensions of the chassis body together with cable trays and front and back attachments)
Weight without packaging [kg(lb)]	43.2 kg (95.26 lb)
Weight (in full configuration)	136 kg (299.88 lb)
Typical power consumption (with configuration) [W]	3220 W (fully configured with LPUF-240s)
Maximum power consumption (with configuration) [W]	4490 W (fully loaded with LPUF-240s)
Typical heat dissipation (with configuration) [BTU/hour]	10447 BTU/hour (fully configured with LPUF-240s)
Maximum heat dissipation (with configuration) [BTU/hour]	14567.4 BTU/hour (fully loaded with LPUF-240s)
Power supply mode	DC built-in
Rated input voltage [V]	- 48 V/ - 60 V
Input voltage range [V]	- 38.4 V to - 72 V
Maximum input current [A]	70 A/module
Number of service board slots	8
Redundant MPUs	1:1
Redundant Switch fabrics	2+1
Redundant fans	2 assemblies Support for proper fan operation in case of a single fan failure for a short period at 40° C (104° F)
Redundant power supply	2+2
Noise at normal temperature (acoustic power) [dB(A)]	NEBS-compliance (< 78 dBA @ 27° C (80.6° F))
Maximum number of power chassis inputs	(1 channel/PEM)*4 PEM=4 channels

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Maximum input cable size	35 mm <sup>2</sup> /channel
Front-end circuit breaker/fuse	70 A
Long-term operating temperature [° C(° F)]	0° C to 45° C (32° F to 113° F)
Short-term operating temperature [° C(° F)]	-5° C to 55° C (23° F to 131° F)
Storage temperature [° C(° F)]	-40° C to 70° C (-40° F to 158° F)
Restriction on the operating temperature variation rate [° C(° F)]	≤ 30° C/hour (86° F/hour)
Long-term operating relative humidity [RH]	5% RH to 85% RH, non-condensing
Short-term operating relative humidity [RH]	5% RH to 95% RH, non-condensing
Storage relative humidity [RH]	5% RH to 95% RH, non-condensing
Long-term operating altitude [m(ft.)]	≤ 4000 m (13123.2 ft.) (For the altitude in the range of 1800 m to 4000 m [5905.44 ft. to 13123.2 ft.], the operating temperature of the device must decrease by 1° C [1.8° F] for every 220 m [721.78 ft.]
Storage altitude [m(ft.)]	< 5000 m (16404 ft.)
MTBF [year]	21.91
MTTR [hour]	0.5
Availability	0.999997395

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