System Specifications

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Environmental Specifications

Environment		Specification
Temperature	Ambient operating temperature	32 to 104°F (0 to 40°C)
	Ambient nonoperating	–40 to 158°F (–40 to 70°C)
Relative humidity	Nonoperating	5 to 95%
	Operating	5 to 90%
Altitude	Operating	0 to 13,123 feet (0 to 4,000 meters)

Switch Dimensions

Switch	Width	Depth	Height
Cisco N9336C-FC2-E	17.3 inches (43.9 cm)	24.7 inches (62.7 cm)	1.72 inches (4.4 cm) (1 RU)

Switch and Module Weights and Quantities

Component	Weight per Unit	Quantity
Cisco N9336C-FX2-E Chassis (N9K-C9336C-FX2-E)	18.8 lb (8.5 kg)	1
Fan Module – Port-side exhaust (blue) (NXA-FAN-35CFM-PE) – Port-side exhaust (blue) (NXA-FAN-35CFM-PI) – Port-side exhaust (blue) (NXA-SFAN-35CFM-PE) – Port-side exhaust (blue) (NXA-SFAN-35CFM-PI)	— 0.26 lb (0.12 kg)	6
Power Supply Module – 750-W AC port-side exhaust (blue) (NXA-PAC-750W-PE) – 750-W AC port-side intake (burgundy) (NXA-PAC-750W-PI)	2.1 lb (0.95 kg)	2 (1 for operations and 1 for redundancy)
Power Supply Module – 1100-W DC port-side exhaust (blue) (NXA-PDC-1100W-PE) – 1100-W DC port-side intake (burgundy) (NXA-PDC-1100W-PI) – 1100-W AC port-side exhaust (blue) (NXA-PAC-1100W-PE2) – 1100-W AC port-side intake (burgundy) (NXA-PAC-1100W-PI2) – 1100-W AC port-side exhaust (blue) (NXA-PAC-1100W-PE3) – 1100-W AC port-side intake (burgundy) (NXA-PAC-1100W-PI3)	2.36 lb (1.07 kg)	2 (1 for operations and 1 for redundancy)

Transceiver and Cable Specifications

To see the transceiver specifications and installation information, see https://www.cisco.com/c/en/us/support/interfaces-modules/transceiver-modules/products-device-support-tables-list.html.

Switch Power Input Requirements

This table lists the typical amount of power that the switch consumes. It also lists the maximum amount of power that you must provision for the switch and power supply for peak conditions.

Note Some power supplies have capabilities that are greater than the maximum power requirements for a switch. To determine the power consumption characteristics for the switch, use the typical and maximum requirements that are listed here.

Note If you want to use optics that consume **5W or more power on all the 36 ports**, you must install 1100W power supplies.

Switch	Typical Power Consumption (AC or DC)	Maximum Power Consumption (AC or DC)	Heat Dissipation Requirement
Cisco N9336C-FX2-E	321 W	702 W	2395.323 BTUs per hour

Power Specifications

Power specifications include the specifications for each type of power supply module.

750-W AC Power Supply Specifications

These specifications apply to these power supplies:

- NXA-PAC-750W-PE
- NXA-PAC-750W-PI

Property	Specification
Input Voltage Range	100 to 240 VAC
Input Frequency	50 to 60 Hz
Efficiency	80%
Output Power	750 W at rated input voltage
Redundancy Modes	n + 1, 1 + 1
RoHS Compliance	Yes
Hot Swappable	Yes

1100-W AC Power Supply Specifications

These specifications apply to all versions of the NXA-PAC-1100W power supply.

Characteristic	Specification
AC input voltage	Nominal range: 100 and 240 VAC (Range: 90-132 VAC, 180-264 VAC)
AC input frequency	Nominal range: 50 to 60 Hz (Range: 47-63 Hz)

Characteristic	Specification
Maximum AC input current	13 A at 100 VAC 6 A at 240 VAC
Maximum input volt-amperes	1300 VA at 100 VAC
Maximum output power per power supply	1100 W
Maximum inrush current	33 A
Maximum hold-up time	12 ms at 1100 W
Power supply output voltage	12 VDC
Power supply standby voltage	12 VDC
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum certified)
Form factor	RSP1

1100-W DC Power Supply Specifications

These specifications apply to the NXA-PDC-1100W-PI power supply.

Property	Specification
Input voltage Range	-48 to -60 VDC
Efficiency	94% at 50% load
Output Power	1100 W at rated input voltage
Redundancy Modes	n + 1, 1 + 1
RoHS Compliance	Yes
Hot Swappable	Yes

Power Cable Specifications

These sections show the power cables that you can order and use with this switch.

Power Cable Specifications for AC Power Supplies

Power Type	Power Cord Part Number	Cord Set Description
	CAB-C13-C14-2M	Power Cord Jumper, C13-C14 Connectors, 6.6 feet (2.0 m)

Power Type	Power Cord Part Number	Cord Set Description
	CAB-C13-CBN	Cabinet jumper power cord, 250 VAC, 10 A, C14-C13 connectors, 2.3 feet (0.7 m)
Argentina	CAB-250V-10A-AR	250 V, 10 A, 8.2 feet (2.5 m)
Australia	CAB-9K10A-AU	250 VAC, 10 A, 3112 plug, 8.2 feet (2.5 m)
Brazil	CAB-250V-10A-BR	250 V, 10 A, 6.9 feet (2.1 m)
European Union	CAB-9K10A-EU	250 VAC, 10 A, CEE 7/7 plug, 8.2 feet (2.5 m)
India	CAB-IND-10A	10 A, 8.2 feet (2.5 m)
India	CAB-C13-C14-2M-IN	Power Cord Jumper, C13-C14 Connectors, 6.6 feet (2.0 m)
India	CAB-C13-C14-3M-IN	Power Cord Jumper, C13-C14 Connectors, 9.8 feet (3.0 m)
Israel	CAB-250V-10A-IS	250 V, 10 A, 8.2 feet (2.5 m)
Italy	CAB-9K10A-IT	250 VAC, 10 A, CEI 23-16/VII plug, 8.2 feet (2.5 m)
Japan	CAB-C13-C14-2M-JP	Power Cord Jumper, C13-C14 Connectors, 6.6 feet (2.0 m)
North America	CAB-9K12A-NA	125 VAC, 13 A, NEMA 5-15 plug, 8.2 feet (2.5 m)
North America	CAB-AC-L620-C13	NEMA L6-20-C13, 6.6 feet (2.0 m)
North America	CAB-N5K6A-NA	200/240V, 6A, 8.2 feet (2.5 m)
Peoples Republic of China	CAB-250V-10A-CN	250 V, 10 A, 8.2 feet (2.5 m)
South Africa	CAB-250V-10A-ID	250 V, 10 A, 8.2 feet (2.5 m)
Switzerland	CAB-9K10A-SW	250 VAC, 10 A, MP232 plug, 8.2 feet (2.5 m)
United Kingdom	CAB-9K10A-UK	250 VAC, 10 A, BS1363 plug (13 A fuse), 8.2 (2.5 m)
All except Argentina, Brazil, and Japan	NO-POWER-CORD	No power cord included with switch

Regulatory Standards Compliance Specifications

This table lists the regulatory standards compliance for the switch.

Table 1: Regulatory Standards Compliance: Safety and EMC

Specification	Description
Regulatory compliance	Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC.
Safety	• CAN/CSA-C22.2 No. 60950-1 Second Edition • CAN/CSA-C22.2 No. 62368-1-19 Third Edition • ANSI/UL 60950-1 Second edition • IEC 62368-1 • EN 62368-1 • AS/NZS 62368-1 • GB4943 • UL 62368-1
EMC: Emissions	• 47CFR Part 15 (CFR 47) Class A • AS/NZS CISPR22 Class A • CISPR22 Class A • EN55022 Class A • ICES003 Class A • VCCI Class A • EN61000-3-2 • EN61000-3-3 • KN22 Class A • CNS13438 Class A
EMC: Immunity	• EN55024 • CISPR24 • EN300386 • KN 61000-4 series
RoHS	The product is RoH-6 compliant with exceptions for leaded-ball grid-array (BGA) balls and lead press-fit connectors.