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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 85%
Altitude	Operating	0 to 13,123 feet (0 to 4,000 meters)

Switch Dimensions

Switch	Width	Depth	Height
Cisco Nexus 9348GC-FXP	17.3 inches (43.9 cm)	With AC power supplies 19.7 inches (49.9 cm). With DC power supplies 21.0 inches (53.34 cm).	1.72 inches (4.4 cm) (1 RU)

Switch and Module Weights and Quantities

Component	Weight per Unit	Quantity
Cisco Nexus 9348GC-FXP Chassis (N9K-C9348GC-FXP)	14.2 lb (6.44 kg)	1
Fan Module – Port-side exhaust (blue) (NXA-FAN-30CFM-F) – Port-side intake (burgundy) (NXA-FAN-30CFM-B)	— 0.26 lb (0.12 kg)	3
Power Supply module – 350-W AC port-side exhaust (blue) (NXA-PAC-350W-PE) – 350-W AC port-side intake (burgundy) (NXA-PAC-350W-PI) – 440-W DC port-side exhaust (blue) (NXA-PDC-440W-PE) – 440-W DC port-side intake (burgundy) (NXA-PDC-440W-PI)	— 2.64 lb (1.2 kg) 2.64 lb (1.2 kg) 2.64 lb (1.2 kg) 2.64 lb (1.2 kg)	2 (1 for operations and 1 for redundancy)

Transceiver and Cable Specifications

To determine which transceivers, adapters, and cables are supported by this switch, see https://www.cisco.com/c/en/us/support/interfaces-modules/transceiver-modules/products-device-support-tables-list.html.

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

The following 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 in the following table.

Switch	Typical Power Consumption (AC or DC)	Maximum Power Consumption (AC or DC)	Heat Dissipation Requirement
Cisco Nexus 9348GC-FXP	178 W	287 W	979.284 BTUs per hour

Power Specifications

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

350-W AC Power Supply Specifications

These specifications apply to the following power supplies:

- NXA-PAC-350W-PE
- NXA-PAC-350W-PI

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)
Maximum AC input current	7.6 A at 100 VAC 3.65 A at 208 VAC
Maximum input volt-amperes	760 A at 100 VAC
Maximum output power per power supply	350 W
Maximum inrush current	33 A (sub-cycle duration)
Maximum hold-up time	12 ms at 350 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

440-W DC Power Supply Specifications

These specifications apply to the following power supplies:

- NXA-PDC-440W-PE

- NXA-PDC-440W-PI

Characteristic	Specification
Maximum output power	440 W
Input current	16 -8 A
DC input voltage	-36 to -72 VDC
Output ratings	-56 V@7.86 A
Voltage range domestic	-36 VDC (minimum), -48 VDC (nominal), -72 VDC (maximum)
Voltage range international	-36 VDC (minimum), -48 VDC (nominal), -72 VDC (maximum)
Total input BTU[1]	1841 BTUs per hour, 540 W
Total output BTU[2]	1502 BTUs per hour, 440 W
Branch circuit protection	20 A

[1] The total input and total output BTU ratings refer to input power to the power supply and output power to the switch. The BTU ratings are based on -36 VDC.
[2] The total input and total output BTU ratings refer to input power to the power supply and output power to the switch. The BTU ratings are based on -36 VDC.

1100-W AC Power Supply Specifications

These specifications apply to the following power supplies:

- NXA-PAC-1100W-PE
- NXA-PAC-1100W-PI

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)
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 (sub-cycle duration)
Maximum hold-up time	12 ms at 1100 W

Characteristic	Specification
Power supply output voltage	12 VDC
Power supply standby voltage	12 VDC
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum certified)
Form factor	RSP1

Power Cable Specifications

The following sections specify the power cables that you can order and use with this switch.

Power Cable Specifications for AC Power Supplies

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

Locale	Power Cord Part Number	Cord Set Description
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

DC Power Cable Specifications

Part Number	Description	Photo
NXA-PDC-440W-PE/PI	The 440W DC power supply (NXA-PDC-440W-PE/PI) is shipped with wiring instructions along with these parts: LUG,FAST,UNIN,#8AWG,RED; LUG,FORK,INSL,16-14G,# 6,NY,BLUwNARROW TONGUE; LUG,RING,16-14AWG,#6	

Regulatory Standards Compliance Specifications

The following 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.

Specification	Description
Safety	• CAN/CSA-C22.2 No. 60950-1 Second Edition • EN 60950-1 Second Edition • IEC 60950-1 Second Edition • AS/NZS 60950-1 • GB4943
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.

System Specifications