



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	Altitude rating is based on power supply installed; see critical components list in the system CB report for altitude rating.	

Switch Dimensions

Switch	Width	Depth	Height
Cisco Nexus 9332D-GX2B	17.3 inches (43.9 cm)	23.9 in (60.8 cm)	1.72 inches (4.4 cm) (1 RU)

Switch and Module Weights and Quantities

Component	Weight per Unit	Quantity
Cisco Nexus 9332D-GX2B Chassis (N9K-C9332D-GX2B)	28 lb (12.7 kg)	1
Fan Module	—	6
– Port-side exhaust (blue) (NXA-SFAN-35CFM-PE)	0.26 lb (0.12 kg)	
– Port-side intake (burgundy) (NXA-SFAN-35CFM-PI)		
Power Supplies	—	2 (1 for operations and 1 for redundancy)
– 1500-W AC port-side exhaust (blue) (NXA-PAC-1500W-PE)	2.64 (1.2 kg)	
– 1500-W AC port-side intake (burgundy) (NXA-PAC-1500W-PI)		
– 1100-W DC port-side intake (burgundy) (NXA-PDC-1100W-PI)		

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

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 9332D-GX2B	638 W	1442 W	4,920.308 BTUs per hour

Power Specifications

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

1100-W DC Power Supply Specifications

These specifications apply to the following power supplies:

- NXA-PDC-1100W-PE
- NXA-PDC-1100W-PI

Characteristic	Specification
DC input voltage range	Nominal range: -54VDC (Range: -40 to -72 VDC)
Maximum DC input current	32 A at -40 VDC
Maximum output power per power supply	1100 W
Maximum inrush current	90 A (cold turn on)
Maximum hold-up time	4 ms at 100% load
Power supply output voltage	12 V/ 90A
Power supply standby voltage	3.3 V/ 3A
Efficiency rating @ -48VDC	94% at 50% load

1500-W AC Power Supply Specifications

These specifications apply to 1500-W power supplies:

Characteristic	Specification
AC input voltage	Nominal range: 100 and 240 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 output power per power supply	1500 W
Power supply output voltage	12 V
Power supply standby voltage	3.3 V
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum certified)
Form factor	1.75x2.15x13.13


Power Cable Specifications

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

Power Cables for NXA-PAC-1500W Power Supplies

Cable	Description	Length	Weight
CAB-250V-10A-AR	Power Cord, 250VAC 10A IRAM 2073 Plug, Argentina	8.2 feet (2.5 m)	0.32 kg
CAB-9K10A-EU	Power Cord, 250VAC 10A CEE 7/7 Plug, EU	8.2 feet (2.5 m)	0.30 kg
CAB-9K10A-SW	Power Cord, 250VAC 10A MP232 Plug, Switzerland	8.2 feet (2.5 m)	0.28 kg
CAB-9K10A-AU	Power Cord, 250VAC 10A 3112 Plug, Australia	8.2 feet (2.5 m)	0.28 kg
CAB-9K10A-IT	Power Cord, 250VAC 10A CEI 23-16/VII Plug, Italy	8.2 feet (2.5 m)	0.26 kg
CAB-9K12A-NA	Power Cord, 125VAC 13A NEMA 5-15 Plug, North America	8.2 feet (2.5 m)	0.32 kg
CAB-TA-NA	Power Cord, 125VAC 12A, North America	8.2 feet (2.5 m)	0.40 kg
CAB-TA-UK	Power Cord, 250VAC 10A, United Kingdom	8.2 feet (2.5 m)	0.30 kg
CAB-TA-250V-JP	Power Cord, 250VAC 15A, Japan	8.2 feet (2.5 m)	0.38 kg
CAB-TA-EU	Power Cord, 250VAC 10A, Continental Europe	8.2 feet (2.5 m)	0.24 kg
CAB-C15-CBN	Jumper Cord, 250VAC 12A, United States, Canada, Australia	4 feet (1.22 m)	0.20 kg
CAB-TA-IN	Power Cord, 250VAC 10A, South Africa	8.2 feet (2.5 m)	0.28 kg
CAB-TA-IS	Power Cord, 250VAC 16A, Israel	8.2 feet (2.5 m)	0.26 kg
CAB-C15-CBN-JP	Power Cord, 250VAC 12A, Japan	9.84 feet (3 m)	0.38 kg
CAB-C15-CBN-EURA	Power Cord, 250VAC 13A, EU	9.84 feet (3 m)	0.26 kg
CAB-C15-CBN-CK	Power Cord, 250VAC 13A, China	9.84 feet (3 m)	0.32 kg
CAB-PWR-C15-CHNA	Power Cord, 250VAC 10A, China	8.2 feet (2.5 m)	0.32 kg

DC Power Cable Specifications

Part ID Number	Description	Photo
NXA-PDC-1100W-PE/PI	<p>The 1100W DC power supply (NXA-PDC-1100W-PE/PI) is shipped with a connector already plugged into the power supply.</p> <p>Use 8 AWG wire with the minimum input voltage of 40VDC, based on maximum current and thermal derating.</p>	

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.
Safety	<ul style="list-style-type: none"> • CAN/CSA-C22.2 No. 60950-1 Second Edition • CAN/CSA-C22.2 No. 62368-1-19 Third Edition • NRTL 60950-1 Second Edition • IEC 62368-1 • EN 62368-1 • AS/NZS 62368-1 • GB4943 • UL 62368-1

Specification	Description
EMC: Emissions	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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.