# System Specifications



## 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<br>– Port-side intake (burgundy) (NXA-SFAN-35CFM-PI) | —<br>0.26 lb (0.12 kg) | 6 |
| Power Supplies<br>– 1500-W AC port-side intake (burgundy) (NXA-PAC-1500W-PI)<br>– 1100-W DC port-side intake (burgundy) (NXA-PDC-1100W-PI) | —<br>2.64 (1.2 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

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

# 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 | • CAN/CSA-C22.2 No. 60950-1 Second Edition<br>• CAN/CSA-C22.2 No. 62368-1-19 Third Edition<br>• NRTL 60950-1 Second Edition<br>• IEC 62368-1<br>• EN 62368-1<br>• AS/NZS 62368-1<br>• GB4943<br>• UL 62368-1 |

| Specification | Description |
|---|---|
| EMC: Emissions | • 47CFR Part 15 (CFR 47) Class A<br>• AS/NZS CISPR22 Class A<br>• CISPR22 Class A<br>• EN55022 Class A<br>• ICES003 Class A<br>• VCCI Class A<br>• EN61000-3-2<br>• EN61000-3-3<br>• KN22 Class A<br>• CNS13438 Class A |
| EMC: Immunity | • EN55024<br>• CISPR24<br>• EN300386<br>• 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. |