



System Specifications

- [Environmental Specifications, on page 1](#)
- [Switch Dimensions, on page 1](#)
- [Switch and Module Weights and Quantities, on page 2](#)
- [Transceiver and Cable Specifications, on page 2](#)
- [Switch Power Input Requirements, on page 2](#)
- [Power Specifications, on page 2](#)
- [Power Cable Specifications, on page 3](#)
- [Regulatory Standards Compliance Specifications, on page 4](#)

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 9348D-GX2A	17.41 inches (44.23 cm)	29.82 in (75.76 cm)	1.72 inches (4.4 cm) (1 RU)

Switch and Module Weights and Quantities

Component	Weight per Unit	Quantity
Cisco Nexus 9348D-GX2A Chassis (N9K-C9348D-GX2A)	51.2 lb (23.22 kg)	1
Fan Module	—	4
– Port-side intake (burgundy) (NXA-FAN-160CFM2-PI)	1.35 lb (0.61 kg)	
Power Supply module	—	2 (1 for operations and 1 for redundancy)
– 3200-W AC/HVDC port-side intake (burgundy) (NXA-PAC-3200W-PI)	3.6 lb (1.63 kg)	

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 9348D-GX2A	1380 W	3124 W	10,659.531 BTUs per hour

Power Specifications

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

3200-W AC/HVDC Power Supply Specifications

Property	Specification
Power	3200 W
AC Range	100-120 VAC; 16A Max. 50/60Hz
HVAC Range	200-240 VAC; 16A Max. 50/60Hz
HVDC Range	240 VDC; 14.5 Max.
Input Voltage	264 to 300 VAC
Frequency	47 to 63 Hz
Efficiency	90% or greater (20 to 100% load)
Redundancy Modes	Combined, $n+1$, and $n+n$
RoHS Compliance	Yes
Hot Swappable	Yes

3200-W DC/HVDC Power Supply Specifications

Property	Specification
Power	3200 W
DC Range	100-120 VDC; 16A Max. 50/60Hz
HVDC Range	240 VDC; 14.5 Max.
Input Voltage	-40 to -72 VDC
Frequency	47 to 63 Hz
Efficiency	90% or greater (20 to 100% load)
Redundancy Modes	Combined, $n+1$, and $n+n$
RoHS Compliance	Yes
Hot Swappable	Yes

Power Cable Specifications

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

Power Cables for NXA-PAC-3200W Power Supplies

Cable	Description
CAB-AC-16A-AUS	Power Cord, 16A, 250 VAC, Australia and New Zealand
CAB-AC-16A-CH	Power Cord, 16A, 250 VAC, Peoples Republic of China
CCAB-AC-2500W-EU	Power Cord, 16A, 250 VAC, Continental Europe
CAB-AC-2500W-ISRL	Power Cord, 16A, 250 VAC, Israel
CAB-AC-2500W-US1	Power Cord, 16A, 250 VAC, Japan and North America (nonlocking) 200-240VAC operation
CAB-AC-C6K-TWLK	Power Cord, 16A, 250 VAC, Japan and North America(locking) 200-240VAC operation
CAB-C19-CBN	Power Cord, 16A, 250 VAC, Power distribution unit (PDU)
CAB-ACS-16	Power Cord, 16A, 250 VAC, Switzerland
CAB-AC-C19-TW	Power Cord, 16A, 250 VAC, C19, Taiwan More
CAB-9K16A-BRZ	Power Cord, 16A, 250 VAC, Brazil, Src Plug EL224-C19
PWR-CORD10-IND	Power Cord, IEC60320/ C19, IS16A3,7.0M, India
CAB-IR2073-C19-AR	Power Cord, IRSM 2073 to IEC-C19 14ft Argen

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	<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
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.

