



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 3](#)
- [Power Cable Specifications, on page 4](#)
- [Regulatory Standards Compliance Specifications, on page 5](#)

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	Operating	5 to 90 percent, non-condensing
	Nonoperating	5 to 90 percent, non-condensing
Altitude	Operating	0 to 10,000 ft (0 to 3,048 meters)
	Nonoperating	-1000 ft. to 30,000 ft (-305 to 9144 meters)

Switch Dimensions

The dimension of the N9348Y12C-SE1 switch are

Switch	Width	Depth	Height
Cisco N9348Y12C-SE1	17.3 inches (439.4mm)	18.09 inches (459.59mm)	1.72 inches (43.7mm)

Switch and Module Weights and Quantities

This section lists the switch and its components, their weights, and the quantity of each module that is shipped with the switch, by default.

Component	Weight per module	Quantity
Cisco N9348Y12C-SE1		1
Fan modules		
Port-side intake (burgundy) NXA-SFAN-35CFM-PI	0.28 lb (0.13 kg)	4
Port-side exhaust (blue) (NXA-SFAN-35CFM-PE)	0.28 lb (0.13 kg)	
Power supply modules		
650W AC port-side intake (burgundy) (NXA-PAC-650W-PI)	2.42 lb (1.1 kg)	2
650W AC port-side exhaust (blue) (NXA-PAC-650W-PE)	2.42 lb (1.1 kg)	
930W DC port-side intake (burgundy) NXA-PDC-930W-PI	2.42 lb (1.1 kg)	
930W DC port-side exhaust (blue) NXA-PDC-930W-PE	2.42 lb (1.1 kg)	
1200W HVAC dual-direction (white) (N9K-PUV-1200W)	2.42 lb (1.1 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

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.

Switch	Typical Power Consumption (AC or DC)	Maximum Power Consumption (AC or DC)	Heat Dissipation Requirement
Cisco N9348Y12C-SE1	275 W	490 W	1,774 BTU/hr



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.

Power Specifications

By default, the N9348Y12C-SE1 switch is powered with two 650W power supply units (PSUs) in 1+1 mode.

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

350W 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	100 to 120 VAC, 200 to 240 VAC
AC input frequency	Nominal range: 50 to 60 Hz
Maximum AC input current	4 A at 100 to 120 VAC 2A at 200 to 240 VAC
Maximum output power per power supply	350 W
Maximum inrush current	33 A (sub-cycle duration)
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum certified)
Form factor	RSP1

350W PHV Power Supply Specifications

These specifications apply to the following power supplies:

- NXA-PHV-350W-PE
- NXA-PHV-350W-PI

Characteristic	Specification
Input voltage	240 to 380 VDC 100 to 277 VAC
Input frequency	Nominal range: 50 to 60 Hz

Characteristic	Specification
Maximum output power per power supply	350 W
Efficiency rating	Climate Savers Platinum Efficiency (80Plus Platinum certified)
Form factor	RSP1

440W DC Power Supply Specifications

These specifications apply to

- NXA-PDC-440W-PE
- NXA-PDC-440W-PI

Characteristic	Specification
Maximum output power	440 W
Input current	16 -8 A
DC input voltage	Nominal Range: -48 to -60 VDC

Power Cable Specifications

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

DC Power Cable Specifications

This section lists the details and illustration of NXA-PDC-440W-PE/PI.

Part ID 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	

AC Power Cable Specifications

This section lists the power cables used with the AC power supply modules.

Power type	Power cord part number	Cord set description
	CAB-C13-C14-2M	Power cord jumper, C13 to C14 connectors, 6.6 feet (2.0 m)

Power type	Power cord part number	Cord set description
	CAB-C13-C14-AC	Power cord jumper, C13 to C14 (recessed receptacle), 10 A, 9.8 feet (3 m)
	CAB-C13-CBN	Cabinet jumper power cord, 250V AC, 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 V AC, 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 V AC, 10 A, CEE 7/7 plug, 8.2 feet (2.5 m)
India	CAB-IND-10A	10 A, 8.2 feet (2.5 m)
Israel	CAB-250V-10A-IS	250 V , 10 A, 8.2 feet (2.5 m)
Italy	CAB-9K10A-IT	250 V AC, 10 A, CEI 23-16/VII plug, 8.2 feet (2.5 m)
North America	CAB-9K12A-NA	125 V AC, 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 V AC, 10 A, MP232 plug, 8.2 feet (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 and 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.