



Technical Specifications

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Environmental and Physical Specifications

This table describes the environmental specifications.

Table 1: Environmental Specifications for the Switch

Environmental Ranges	
Operating temperature ¹	23 to 113°F (–5 to 45°C)
Storage temperature	–40 to 158°F (–40 to 70°C)
Relative humidity	5 to 90% (non-condensing)
Operating altitude	Up to 10,000 ft (3000 m)
Storage altitude	Up to 15,000 ft (4500 m)

¹ Minimum ambient temperature for cold start is 32°F (0°C)

This table describes the environmental specifications.

Table 2: Environmental Specifications for the Power Supplies

Environmental Ranges	
Operating temperature	23°F to 113°F (–5°C to 45°C) up to 5000 feet (1500m) 23°F to 104°F (–5°C to 40°C) up to 10,000 feet (3000m)
Storage temperature	–40 to 158°F (–40 to 70°C)
Relative humidity	10 to 90% (non-condensing)
Altitude	10,000 ft (3,000 m) up to 40°C

Physical Specifications of the Switch

This table describes the physical specifications with the FAN FRUs and the power supplies installed.

Table 3: Dimensions (H x W x D) of Cisco Catalyst 9300X Series Switches

Switch PID	Dimensions (H x W x D) in inches and centimeter
C9300X-12Y	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300X-24Y	1.73 x 17.5 x 20.7 in. (4.4 x 44.5 x 52.6 cm)
C9300X-24HX	1.73 x 17.5 x 17.6 in. (4.4 x 44.5 x 44.7 cm)
C9300X-48HX	1.73 x 17.5 x 19 in. (4.4 x 44.5 x 48.3 cm)
C9300X-48HXN	1.73 x 17.5 x 17.6 in. (4.4 x 44.5 x 44.7 cm)
C9300X-48TX	1.73 x 17.5 x 19 in. (4.4 x 44.5 x 48.3 cm)

This table describes the physical specifications with FAN FRUs and default power supplies installed.

Table 4: Dimensions (H x W x D) of Cisco Catalyst 9300LM Series Switches

Switch PID	Dimensions (H x W x D) in inches and centimeter
C9300LM-48T-4Y	1.73 x 17.5 x 12.39 in. (4.4 x 44.5 x 31.5 cm)
C9300LM-24U-4Y	1.73 x 17.5 x 13.17 in. (4.4 x 44.5 x 33.5 cm)
C9300LM-48U-4Y	1.73 x 17.5 x 13.17 in. (4.4 x 44.5 x 33.5 cm)
C9300LM-48UX-4Y	1.73 x 17.5 x 13.17 in. (4.4 x 44.5 x 33.5 cm)

This table describes the maximum dimensions for a switch with FAN FRUs and default power supplies installed.

Table 5: Dimensions (H x W x D) of Cisco Catalyst 9300L Series Switches

Switch PID	Dimensions (H x W x D) in inches and centimeter
C9300L-24P-4G	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-24P-4X	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-24T-4G	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-24T-4X	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-48P-4G	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-48T-4G	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-48P-4X	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-48T-4X	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)

Switch PID	Dimensions (H x W x D) in inches and centimeter
C9300L-48PF-4G	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-48PF-4X	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-24UXG-4X	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-24UXG-2Q	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-48UXG-4X	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300L-48UXG-2Q	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)

This table describes the physical specifications with FAN FRUs and default power supplies installed.

Table 6: Dimensions (H x W x D) of Cisco Catalyst 9300 Series Switches

Switch PID	Dimensions (H x W x D) in inches and centimeter
C9300-24H	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300-24P	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300-24S	1.73 x 17.5 x 20.7 in. (4.4 x 44.5 x 52.6 cm)
C9300-24T	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300-24U	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300-24UB	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300-24UX	1.73 x 17.5 x 20.2 in. (4.4 x 44.5 x 51.3 cm)
C9300-24UXB	1.73 x 17.5 x 20.2 in. (4.4 x 44.5 x 51.3 cm)
C9300-48H	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300-48P	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300-48S	1.73 x 17.5 x 20.7 in. (4.4 x 44.5 x 52.6 cm)
C9300-48T	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300-48U	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300-48UB	1.73 x 17.5 x 19.2 in. (4.4 x 44.5 x 48.8 cm)
C9300-48UN	1.73 x 17.5 x 22.2 in. (4.4 x 44.5 x 56.4 cm)
C9300-48UXM	1.73 x 17.5 x 22.2 in. (4.4 x 44.5 x 56.4 cm)

This table describes the weight of the switch with FAN FRUs and default power supplies installed.

Table 7: Weight Measurements of Switches

<p>Cisco Catalyst 9300X Series Switches</p>	<p>C9300X-12Y - 15.0 lb (6.80 kg) C9300X-24Y - 16.2 lb (7.35 kg) C9300X-48HX - 14.6 lb (6.62 kg) C9300X-48TX - 14.6 lb (6.62 kg) C9300X-24HX - 17 lb (7.71 kg) C9300X-48HXN - 17.5 lb (7.93 kg)</p>
<p>Cisco Catalyst 9300L Series Switches</p>	<p>C9300L-24P-4G - 14.99 lb (6.81 kg) C9300L-24P-4X - 14.99 lb (6.81 kg) C9300L-24T-4G - 14.93 lb (6.78 kg) C9300L-24T-4X - 14.93 lb (6.78 kg) C9300L-48P-4G - 15.46 lb (7.03 kg) C9300L-48T-4G - 15.41 lb (7.0 kg) C9300L-48P-4X - 15.46 lb (7.03 kg) C9300L-48T-4X - 15.41 lb (7.01 kg) C9300L-48PF-4G - 15.48 lb (7.03 kg) C9300L-48PF-4X - 15.48 lb (7.03 kg) C9300L-24UXG-4X - 15.73 lb (7.12 kg) C9300L-24UXG-2Q - 16.01 lb (7.26 kg) C9300L-48UXG-4X - 16.86 lb (7.65 kg) C9300L-48UXG-2Q - 16.86 lb (7.65 kg)</p>
<p>Cisco Catalyst 9300LM Series Switches</p>	<p>C9300LM-24U-4Y - 11.5 lb (5.22 kg) C9300LM-48T-4Y - 11 lb (5 kg) C9300LM-48U-4Y - 12 lb (5.44 kg) C9300LM-48UX-4Y - 12 lb (5.44 kg)</p>

Cisco Catalyst 9300 Series Switches	C9300-24H - 16.63 lb (7.54 kg)
	C9300-24P - 16.33 lb (7.4 kg)
	C9300-24S - 14.42 lb (6.54 kg)
	C9300-24T - 16.03 lb (7.27 kg)
	C9300-24U - 16.63 lb (7.54 kg)
	C9300-24UB - 16.63 lb (7.54 kg)
	C9300-24UX - 18.18 lb (8.25 kg)
	C9300-48H - 17.03 lb (7.72 kg)
	C9300-24UXB - 18.18 lb (8.25 kg)
	C9300-48P - 16.73 lb (7.59 kg)
	C9300-48S - 14.91 lb (6.76 kg)
	C9300-48T - 16.43 lb (7.45 kg)
	C9300-48U - 17.03 lb (7.72 kg)
	C9300-48UB - 17.03 lb (7.72 kg)
	C9300-48UN - 20.05 lb (9.09 kg)
C9300-48UXM - 20.5 lb (9.34 kg)	

Physical Specifications of Power Supplies

Weight	
PWR-C1-1100WAC	3 lb (1.4 kg)
PWR-C1-715WAC	2.8 lb (1.3 kg)
PWR-C1-350WAC	2.6 lb (1.2 kg)
PWR-C1-1900WAC-P	3.4 lb (1.5 kg)
PWR-C1-1100WAC-P	3.1 lb (1.4 kg)
PWR-C1-715WAC-P	2.6 lb (1.2 kg)
PWR-C1-350WAC-P	2.3 lb (1.2 kg)
PWR-C1-715WDC	2.8 lb (1.3 kg)
PWR-C6-600WAC	1.7 lb (0.77 kg)
PWR-C6-1KWAC	2 lb (0.9 kg)
Dimensions (H x D x W)	
The dimensions shown include the extraction handle and the keying feature.	
PWR-C1-1100WAC	1.58 X 3.25 X 13.7 in. (40.1 X 82.55 X 348.2 mm)

PWR-C1-715WAC	1.58 X 3.25 X 12.20 in. (40.1 X 82.55 X 309.9 mm)
PWR-C1-350WAC	1.58 X 3.25 X 12.20 in. (40.1 X 82.55 X 309.9 mm)
PWR-C1-1900WAC-P	1.58 X 3.25 X 13.7 in. (40.1 X 82.55 X 348.2 mm)
PWR-C1-1100WAC-P	1.58 X 3.25 X 13.7 in. (40.1 X 82.55 X 348.2 mm)
PWR-C1-715WAC-P	1.58 X 3.25 X 12.20 in. (40.1 X 82.55 X 309.9 mm)
PWR-C1-350WAC-P	1.58 X 3.25 X 12.20 in. (40.1 X 82.55 X 309.9 mm)
PWR-C1-715WDC	1.58 X 3.25 X 12.20 in. (40.1 X 82.55 X 309.9 mm)
PWR-C6-600WAC	1.58 x 4.0 x 7.6 in. (40.1 X 101.6 X 193 mm)
PWR-C6-1KWAC	1.58 x 4.0 x 7.6 in. (40.1 X 101.6 X 193 mm)

Specifications for the Power Supplies, Switches, and Fan

Table 8: Power Specifications for Platinum Rated AC Power Supplies

Specification	Power Supply				
	PWR-C1-1900WAC-P	PWR-C1-1100WAC-P	PWR-C1-715WAC-P	PWR-C1-350WAC-P	
Maximum output power	1900 W with 230 V	1500 W with 115 V	1100 W	715 W	350 W
Input voltage and frequency	1900 W, 200 V to 240 VAC (autoranging), 55-60 Hz	1500 W, 115 V to 127 VAC (autoranging), 50-60 Hz	1100 W, 115 to 240 VAC (autoranging), 50-60 Hz	715 W, 100 to 240 VAC (autoranging), 50-60 Hz	350 W, 100 to 240 VAC (autoranging), 50-60 Hz
Input current	maximum of 12 A	maximum of 16 A	12-6 A	10-5 A	4-2 A
Output ratings	-56 V@33.92 A	-56 V@26.78 A	-56 V@19.64 A	-56 V@12.8 A	-56 V@6.25 A
Total input BTU ²	6899 BTUs per hour, 2022 W	5565 BTUs per hour, 1631 W	4147 BTUs per hour, 1215 W	2723 BTUs per hour, 798 W	1348 BTUs per hour, 395 W
Total output BTU	6483 BTU per hour, with 230 V	5118 BTU per hour, with 115 V	3754 BTUs per hour, 1100 W	2440 BTUs per hour, 715 W	1194 BTUs per hour, 350 W

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 100 VAC for the 350 W and 715 W power supplies and 115 VAC for the 1100 W power supply.

Table 9: Power Specifications for AC Power Supplies

Specification	Power Supply		
	PWR-C1-1100WAC	PWR-C1-715WAC	PWR-C1-350WAC
Maximum output power	1100 W	715 W	350 W
Input voltage and frequency	1100 W, 115 to 240 VAC (autoranging), 50-60 Hz	715 W, 100 to 240 VAC (autoranging), 50-60 Hz	350 W, 100 to 240 VAC (autoranging), 50-60 Hz
Input current	12-6 A	10-5 A	4-2 A
Output ratings	-56 V@19.64 A	-56 V@12.8 A	-56 V@6.25 A
Total input BTU ³	4211 BTUs per hour, 1234 W	2774 BTUs per hour, 813 W	1375 BTUs per hour, 403 W
Total output BTU	3754 BTUs per hour, 1100 W	2440 BTUs per hour, 715 W	1194 BTUs per hour, 350 W

³ 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 100 VAC for the 350 W and 715 W power supplies and 115 VAC for the 1100 W power supply.

Table 10: Power Specifications for AC Power Supplies for C9300LM

Specification	Power Supply	
	PWR-C6-600WAC	PWR-C6-1KWAC
Maximum output power	600 W	1000 W
Input voltage and frequency	100 to 240 VAC (autoranging) 50-60 Hz	100 to 240 VAC (autoranging) 50-60 Hz
Input current	7-2.8 A	12-6 A
Output ratings	54V @ 11.1 A	54V @ 18.5 A
Total input BTU ⁴	2327 BTUs per hour	3876 BTUs per hour
Total output BTU	2047.3 BTUs per hour	3412 BTUs per hour

⁴ 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 100 VAC.

Table 11: Power Specifications for DC Power Supplies

Power Requirements	
Specification	PWR-C1-715WDC
Maximum output power	715 W

Power Requirements	
Specification	PWR-C1-715WDC
Input current	24–12 A
Output ratings	-56 V at 12.8 A
Input 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 ⁵	PWR-C1-715WDC: 2777 BTUs per hour, 715 W
Total output BTU	2440 BTUs per hour
Wire gauge for ground connection	12 AWG or 8 AWG
Branch circuit protection	20 A

⁵ 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 -40 VDC.

Table 12: Fan Module Environmental and Physical Specifications

Environmental Ranges	
Operating temperature	23 to 176°F (-5 to 80°C)
Storage temperature	-40 to 185°F (-40 to 85°C) up to 15,000 ft (4500 m)
Relative humidity	5 to 95% (non-condensing)
Altitude	Up to 13,000 ft (4000 m)
Physical Specification	
Dimensions (H x D x W)	1.62 x 1.73 x 4.24 in. (4.11 x 4.39 x 10.76 cm)
Weight (for three fans)	0.48 lb (0.21 kg)
Operating Specification	
Airflow	20 cfm

AC Power Cord Specifications

The following table lists the specifications for the AC power cords that are available for the AC-input power supplies.

Table 13: AC Power Cords for PWR-C1-1100WAC, PWR-C1-715WAC, PWC-C1-350WAC, PWR-C1-1100WAC-P, PWR-C1-715WAC-P, PWC-C1-350WAC-P, PWR-C1-1100WAC-P-M and MA-PWR-1100WAC Power Supplies

Locale	Part Number	Cordset Rating	Length
Argentina	CAB-TA-AR	250 VAC, 10 A	2.5 m
Australia	CAB-TA-AP	250 VAC, 10 A	2.5 m
Brazil	CAB-ACBZ-12A	125 VAC, 12 A	2.5 m
Brazil	CAB-ACBZ-10A	250 VAC, 10 A	2.5 m
China	CAB-TA-CN	250 VAC, 10 A	2.5 m
Denmark	CAB-TA-DN	250 VAC, 10 A	2.5 m
Europe	CAB-TA-EU	250 VAC, 10 A	2.5 m
India	CAB-TA-IN	250 VAC, 10 A	2.5 m
Israel	CAB-TA-IS	250 VAC, 16 A	2.5 m
Italy	CAB-TA-IT	250 VAC, 10 A	2.5 m
Japan	CAB-TA-JP ⁶	125 VAC, 12 A	2.5 m
Japan	CAB-TA-250V-JP	250 VAC, 12 A	2.5 m
Japan	CAB-C15-CBN-JP	250 VAC, 12 A	3.05 m
Korea	CAB-AC-C15-KOR	250 VAC, 10 A	2.5 m
North America	CAB-TA-NA	125 VAC, 12 A	2.5 m
Switzerland	CAB-TA-SW	250 VAC, 10 A	2.5 m
Taiwan	CAB-AC-C15-TW	125 VAC, 15 A	2.5 m
United Kingdom	CAB-TA-UK	250 VAC, 10 A	2.5 m
Cabinet jumper power cord, C14-C15 connectors	CAB-C15-CBN	250 VAC, 13 A	1.22 m

⁶ **Note** This power cord is not rated for use with PWR-C1-1100WAC or PWR-C1-1100WAC-P power supplies.



Note The PWR-C1-1100WAC-P-M PSU is applicable to C9300-M and the MA-PWR-1100WAC PSU is applicable to Meraki MS390. These PSUs will not operate in a 100V environment in Japan.

The following table lists the specifications for the AC power cords that are available for PWR-C1-1900WAC-P power supplies.

Table 14: AC Power Cords for PWR-C1-1900WAC-P

Locale	Part Number	Cordset Rating	Length
North America	C9K-PWR-CAB-AC-US	250 VAC, 20 A	4.25 meter (m)
North America	C9K-PWR-CAB-AC-BL (Cabinet jumper power cord)	250 VAC, 20 A	4.25 m
Argentina	C9K-PWR-CAB-AC-AR	250 VAC, 16 A	4.25 m
Australia	C9K-PWR-CAB-AC-AU	250 VAC, 16 A	4.25 m
China	C9K-PWR-CAB-AC-CN	250 VAC, 16 A	4.25 m
Europe	C9K-PWR-CAB-AC-EU	250 VAC, 16 A	4.25 m
India	C9K-PWR-CAB-AC-IN	250 VAC, 16 A	4.25 m
Israel	C9K-PWR-CAB-AC-IS	250 VAC, 16 A	4.25 m
Italy	C9K-PWR-CAB-AC-IT	250 VAC, 16 A	4.25 m
Japan	C9K-PWR-CAB-AC-JP	250 VAC, 20 A	4.25 m
North America	C9K-CAB-US520PC21	125 VAC, 20 A	2.5 m
South Africa	C9K-PWR-CAB-AC-SA	250 VAC, 16 A	4.25 m
United Kingdom	C9K-PWR-CAB-AC-UK	250 VAC, 16 A	4.25 m