



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% (noncondensing)
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% (noncondensing)
Altitude	10,000 ft (3,000 m) up to 40°C

Physical Specifications of the Switch

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

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

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)
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 the FAN FRUs and the power supplies installed.

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

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 51.3 cm)
C9300-48UXM	1.73 x 17.5 x 22.2 in. (4.4 x 44.5 x 51.3 cm)

Table 5: Weight Measurements of Switches

Cisco Catalyst 9300L Series Switches	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)

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-C1-1100WAC-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)
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-C1-1100WAC-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)

Specifications for the Power Supplies, Switches, and Fan

Table 6: Power Specifications for the AC Power

Power Requirements	
Maximum output power	• PWR-C1-1100WAC and PWR-C1-1100WAC-P: 1100 W • PWR-C1-715WAC and PWR-C1-715WAC-P: 715 W • PWR-C1-350WAC and PWR-C1-350WAC-P: 350 W
Input voltage and frequency	• PWR-C1-1100WAC and PWR-C1-1100WAC-P: 1100 W, 115 to 240 VAC (autoranging) 50-60 Hz • PWR-C1-715WAC and PWR-C1-715WAC-P: 715 W, 100 to 240 VAC (autoranging) 50-60 Hz • PWR-C1-350WAC and PWR-C1-350WAC-P: 350 W, 100 to 240 VAC (autoranging) 50-60 Hz
Input current	• PWR-C1-1100WAC and PWR-C1-1100WAC-P: 12–6 A • PWR-C1-715WAC and PWR-C1-715WAC-P: 10–5 A • PWR-C1-350WAC and PWR-C1-350WAC-P: 4–2 A
Output ratings	• PWR-C1-1100WAC and PWR-C1-1100WAC-P: –56 V@19.64 A • PWR-C1-715WAC and PWR-C1-715WAC-P: –56 V@12.8 A • PWR-C1-350WAC and PWR-C1-350WAC-P: –56 V@6.25 A
Total input BTU ²	• PWR-C1-1100WAC: 4211 BTUs per hour, 1234 W • PWR-C1-1100WAC-P: 4147 BTUs per hour, 1215 W • PWR-C1-715WAC: 2774 BTUs per hour, 813 W • PWR-C1-715WAC-P: 2723 BTUs per hour, 798 W • PWR-C1-350WAC: 1375 BTUs per hour, 403 W • PWR-C1-350WAC-P: 1348 BTUs per hour, 395 W

Power Requirements	
Total output BTU	• PWR-C1-1100WAC: 3754 BTUs per hour, 1100 W • PWR-C1-1100WAC-P: 3754 BTUs per hour, 1100 W • PWR-C1-715WAC: 2440 BTUs per hour, 715 W • PWR-C1-715WAC-P: 2440 BTUs per hour, 715 W • PWR-C1-350WAC: 1194 BTUs per hour, 350 W • PWR-C1-350WAC-P: 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 7: Power Specifications for DC Power

Power Requirements	
Maximum output power	PWR-C1-715WDC: 715 W
Input current	PWR-C1-715WDC: 24–12 A
Output ratings	PWR-C1-715WDC: -56 V at 12.8 A
Input voltage range domestic	PWR-C1-715WDC: -36 VDC (minimum), -48 VDC (nominal), -72 VDC (maximum)
Voltage range international	PWR-C1-715WDC: -36 VDC (minimum), -48 VDC (nominal), -72 VDC (maximum)
Total input BTU ³	PWR-C1-715WDC: 2777 BTUs per hour, 715 W
Total output BTU	PWR-C1-715WDC: 2440 BTUs per hour
Wire gauge for ground connection	PWR-C1-715WDC: 12 AWG or 8 AWG
Branch circuit protection	PWR-C1-715WDC: 20 A

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 -40 VDC.

Table 8: 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% (noncondensing)
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 supply.

Table 9: AC Power Cords

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

