



Technical Specifications

This appendix contains these topics:

- [Environmental Specifications, on page 1](#)
- [Specifications for the Catalyst 2960-XR Switches, on page 2](#)

Environmental Specifications

This table describes the environmental specifications.

Table 1: Environmental Specifications for All and 2960-XR Switches

Environmental Ranges	
Operating temperature ¹	23 to 113°F (–5 to 45°C) up to 5,000 ft (1500 m) 23 to 104°F (–5 to 40°C) up to 10,000 ft (3000 m)
Storage temperature	–40 to 158°F (–40 to 70°C) up to 15,000 ft (4500 m)
Relative humidity	10 to 95% (noncondensing)
Storage altitude	Up to 15,000 ft (4500 m)

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

Table 2: Environmental and Physical Specification for the AC Power Supplies for the Catalyst 2960-XR Switches

Power Requirements	
Operating temperature	23 to 113°F (–5 to 45°C)
Storage temperature	–40 to 158°F (–40 to 70°C)
Relative humidity	10-95% (non-condensing)
Altitude	Up to 10,000 ft (3,000 m)

Weight	<ul style="list-style-type: none"> • PWR-C2-250WAC: 2.5 lb (1.1 kg) • PWR-C2-640WAC: 3.1 lb (1.4 kg) • PWR-C2-1025WAC: 3.4 lb (1.6 kg)
Dimensions	<ul style="list-style-type: none"> • PWR-C2-250WAC: 1.58 x 10.22 x 3.75 in. (3.5 x 26 x 9.53 cm) • PWR-C2-640WAC: 1.58 x 10.22 x 3.75 in. (3.5 x 26 x 9.53 cm) • PWR-C2-1025WAC: 1.58 x 11.72 x 3.75 in. (3.5 x 29.8 x 9.53 cm) <p>Note Dimensions shown exclude the extraction handle, which measures 1.55 in. (3.9 cm).</p>

Specifications for the Catalyst 2960-XR Switches

Table 3: Physical Specifications for the Catalyst 2960-XR Switches

Physical Dimensions	
Weight	<ul style="list-style-type: none"> • 3.55 lb (1.61 kg) • 3.1 lb (1.41 kg) • 2.55 lb (1.16 kg) • 2.75 lb (1.25 kg) • 0.2 lb (0.09 kg) <p>Weights do not include power supplies.</p>
Dimensions (H x D x W)	<p>1.75 x 16.1 x 17.5 in. (4.45 x 41.9 x 44.5 cm)</p> <p>Dimensions do not include power supplies.</p> <ul style="list-style-type: none"> • Add an additional depth of 1.6 in (4.1 cm) for PWR-C2-250WAC and PWR-C2-640WAC power supplies • Add an additional depth of 3.1 in (7.9 cm) for the PWR-C2-1025WAC power supply

Table 4: Power Specifications for the AC Power Catalyst 2960-XR Switches

Power Requirements	
Maximum output power	<ul style="list-style-type: none"> • PWR-C2-250WAC: 250 W • PWR-C2-640WAC: 640 W • PWR-C2-1025WAC: 1025 W

Input voltage and Frequency	<ul style="list-style-type: none"> • PWR-C2-250WAC: 250 W, 100-240 VAC, (autoranging) 50-60 Hz • PWR-C2-640WAC: 640 W, 100-240 VAC, (autoranging) 50-60 Hz • PWR-C2-1025WAC: 1025 W, 115-240 VAC, (autoranging) 50-60 Hz
Input current ²	<ul style="list-style-type: none"> • PWR-C2-250WAC: 4–2 A • PWR-C2-640WAC: 8–4 A • PWR-C2-1025WAC: 12–6 A
Output ratings	<ul style="list-style-type: none"> • PWR-C2-250WAC: +12 V @ 20.83 A • PWR-C2-640WAC: +12 V @ 20.83 A, –54 V@7.36 A • PWR-C2-1025WAC: +12 V @ 20.83 A, –54 V@14.6 A
Total input BTU ³	<ul style="list-style-type: none"> • PWR-C2-250WAC: 945 BTUs per hour, 277 W • PWR-C2-640WAC: 2371 BTUs per hour, 695 W • PWR-C2-1025WAC: 3801 BTUs per hour, 1114 W
Total output BTU ¹	<ul style="list-style-type: none"> • PWR-C2-250WAC: 853 BTUs per hour, 250 W • PWR-C2-640WAC: 2183 BTUs per hour, 640 W • PWR-C2-1025WAC: 3497 BTUs per hour, 1025 W

² The information is based on the rating of the power supply (max.) and does not reflect the actual measured consumption numbers. For the actual power consumption based on measurement, see the data sheet at: http://www.cisco.com/en/US/prod/collateral/switches/ps5718/ps12995/data_sheet_c78-728232.html

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 250-W and 640-W power supplies and 115 VAC for the 1025-W power supply .

Table 5: Power Supply Module Specifications

Physical Dimensions	
Weight	<ul style="list-style-type: none"> • 3.55 lb (1.61 kg) • 3.1 lb (1.41 kg) • 2.55 lb (1.16 kg) • 0.2 lb (0.09 kg)
PWR-C2-1025WAC=	Weights do not include power supplies.
PWR-C2-640WAC=	
PWR-C2-250WAC=	
PWR-C2-BLANK=	

Physical Dimensions	
Dimensions (H x W x D)	
PWR-C2-1025WAC	• 1.58 x 3.75 x 13.25 in. (4.0 x 9.5 x 33.7 cm)
PWR-C2-640WAC	• 1.58 x 3.75 x 11.75 in. (4.0 x 9.5 x 29.8 cm)
PWR-C2-250WAC	• 1.58 x 3.75 x 11.75 in. (4.0 x 9.5 x 29.8 cm)

Recommendations

- An additional 10.3 in. depth is required behind the power supply handle for power supply removal
- An additional 1.5 in. depth is required behind the power supply for power cord bend radius
- An additional 4.7 in. depth is required behind the chassis rear for stack module removal
- An additional 5.2 in. depth is required behind the chassis rear for stack cable bend radius