



Technical Specifications

Switch Specifications

Table A-1 *Environmental and Physical Specifications*

Environmental Ranges	
Operating ¹ temperature	23 to 113° F (–5 to 45° C)
Operating ¹ temperature with FIPS kit installed	23 to 104° F (–5 to 40° C)
Storage temperature	–13 to 158° F (–25 to 70° C)
Relative humidity	10 to 85% (noncondensing)
Operating altitude	Up to 10,000 ft (3049 m)
Storage altitude	Up to 15,000 ft (4573 m), NEBS up to 13,000 ft (4000 m)
Physical Specifications	
Weight	
Catalyst 3750-X-12S	15.0 lb (6.8 kg) ²
Catalyst 3750-X-24S	15.4 lb (7.0 kg) ²
Catalyst 3750-X-24T	15.6 lb (7.1 kg) ²
Catalyst 3750-X-24P	15.8 lb (7.2 kg) ³
Catalyst 3750-X-48T	16.3 lb (7.4 kg) ²
Catalyst 3750-X-48P	16.5 lb (7.5 kg) ³
Catalyst 3750-X-48PF	16.7 lb (7.6 kg) ⁴
Catalyst 3750-X-24U	15.8 lb (7.2 kg) ⁴
Catalyst 3750-X-48U	16.6 lb (7.5 kg) ⁴
Catalyst 3560-X-24T	15.4 lb (7.0 kg) ²
Catalyst 3560-X-24P	15.7 lb (7.1 kg) ³
Catalyst 3560-X-48T	16.1 lb (7.3 kg) ²
Catalyst 3560-X-48P	16.4 lb (7.4 kg) ³
Catalyst 3560-X-48PF	16.6 lb (7.5 kg) ⁴
Catalyst 3560-X-24U	15.6 lb (7.1 kg) ⁴
Catalyst 3560-X-48U	16.4 lb (7.4 kg) ⁴

Table A-1 *Environmental and Physical Specifications (continued)*

Dimensions (H x W x D)	
Catalyst 3750-X-12S and 3750-X-24S	1.75 x 17.5 x 18.0 in. (4.45 x 44.5 x 46.0 cm)
Catalyst 3750-X and 3560-X-24T	1.75 x 17.5 x 18.0 in. (4.45 x 44.5 x 46.0 cm)
Catalyst 3750-X and 3560-X-24P	1.75 x 17.5 x 18.0 in. (4.45 x 44.5 x 46.0 cm)
Catalyst 3750-X and 3560-X-48T	1.75 x 17.5 x 18.0 in. (4.45 x 44.5 x 46.0 cm)
Catalyst 3750-X and 3560-X-48P	1.75 x 17.5 x 18.0 in. (4.45 x 44.5 x 46.0 cm)
Catalyst 3750-X and 3560-X-48PF	1.75 x 17.5 x 19.5 in. (4.45 x 44.5 x 49.5 cm)
Catalyst 3750-X and 3560-X-24U	1.75 x 17.5 x 19.5 in. (4.45 x 44.5 x 49.5 cm)
Catalyst 3750-X and 3560-X-48U	1.75 x 17.5 x 19.5 in. (4.45 x 44.5 x 49.5 cm)
Note The C3KX-PWR-1100 W and PWR-C1-1100WAC AC power supply extends 1.5 in. (3.8 cm) beyond the switch chassis.	

1. Minimum ambient temperature for cold start is 32° F (0° C)
2. With 350-W AC power supply
3. With 715-W AC power supply
4. With 1100-W AC power supply

Power Supply Module Specifications

Table A-2 *Environmental and Physical Specifications for the AC- and DC-Power Supply Modules*

Environmental Ranges	
Operating temperature	23 to 113° F (–5 to 45° C)
Storage temperature	–40 to 158° F (–40 to 70° C)
Relative humidity	10 to 95% (noncondensing)
Altitude	Up to 10,000 ft (3049 m)

Table A-2 *Environmental and Physical Specifications for the AC- and DC-Power Supply Modules (continued)*

Physical Specifications	
Weight	
C3KX-PWR-1100WAC PWR-C1-1100WAC	3 lb (1.4 kg)
C3KX-PWR-715WAC PWR-C1-715WAC	2.8 lb (1.3 kg)
C3KX-PWR-350WAC PWR-C1-350WAC	2.7 lb (1.2 kg)
C3KX-PWR-440WDC PWR-C1-440WDC	3.5 lb (1.6 kg)
Dimensions (H x D x W)	
C3KX-PWR-1100WAC PWR-C1-1100WAC	1.38 x 11.72 x 3.25 in. (3.5 x 29.8 x 8.3 cm)
C3KX-PWR-715WAC PWR-C1-715WAC	1.38 x 10.22 x 3.25 in. (3.5 x 26 x 8.3 cm)
C3KX-PWR-350WAC PWR-C1-350WAC	1.38 x 10.22 x 3.25 in. (3.5 x 26 x 8.3 cm)
C3KX-PWR-440WDC PWR-C1-440WDC	1.38 x 10.22 x 3.25 in. (3.5 x 26 x 8.3 cm)
	Note Dimensions shown exclude the attached power cord retainer (AC power supplies) or the extraction handle (DC power supplies), which measures 1.55 in. (3.9 cm).

Table A-3 *Power Specifications for AC Power 12-, 24-, and 48-Port Switches*

Power Specifications	
Maximum output power	C3KX-PWR-1100WAC, PWR-C1-1100WAC: 1100 W C3KX-PWR-715WAC, PWR-C1-715WAC: 715 W C3KX-PWR-350WAC, PWR-C1-350WAC: 350 W
Input voltage range and frequency	C3KX-PWR-1100WAC, PWR-C1-1100WAC: 1100-W, 115 to 240 VAC (autoranging) 50 to 60 Hz C3KX-PWR-715WAC, PWR-C1-715WAC: 715 W, 100 to 240 VAC (autoranging), 50 to 60 Hz C3KX-PWR-350WAC, PWR-C1-350WAC: 350 W, 100 to 240 VAC (autoranging), 50 to 60 Hz
Input current	C3KX-PWR-1100WAC, PWR-C1-1100WAC: 12–6 A C3KX-PWR-715WAC, PWR-C1-715WAC: 10–5 A C3KX-PWR-350WAC, PWR-C1-350WAC: 4–2 A
Output ratings	C3KX-PWR-1100WAC, PWR-C1-1100WAC: –56 V@19.64 A C3KX-PWR-715WAC, PWR-C1-715WAC: –56 V@12.8 A C3KX-PWR-350WAC, PWR-C1-350WAC: –56 V@6.25 A

Table A-3 Power Specifications for AC Power 12-, 24-, and 48-Port Switches (continued)

Total input BTU ¹	C3KX-PWR-1100WAC, PWR-C1-1100WAC: 4263 Btus per hour, 1250 W C3KX-PWR-715WAC, PWR-C1-715WAC: 2742 Btus per hour, 804 W C3KX-PWR-350WAC, PWR-C1-350WAC: 1357 Btus per hour, 398 W
Total output BTU ¹	C3KX-PWR-1100WAC, PWR-C1-1100WAC: 3751 Btus per hour, 1100C3KX-PWR-440WDC, PWR-C1-440WDCW C3KX-PWR-715WAC, PWR-C1-715WAC: 2438 Btus per hour, 765 W C3KX-PWR-350WAC, PWR-C1-350WAC: 1194 Btus per hour, 350 W

1. 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 A-4 Power Specifications for DC-Power 12-, 24-, and 48-Port Switches

Power Specifications	
Maximum output power	C3KX-PWR-440WDC, PWR-C1-440WDC: 440 W
Input current	C3KX-PWR-440WDC, PWR-C1-440WDC: 16 – 8 A
DC input voltage	C3KX-PWR-440WDC, PWR-C1-440WDC: –36 to –72 VDC
Output ratings	C3KX-PWR-440WDC, PWR-C1-440WDC: –56 V@7.86 A
Voltage range domestic	C3KX-PWR-440WDC, PWR-C1-440WDC: –36 VDC (minimum) –48 VDC (nominal), –72 VDC (maximum)
Voltage range international	C3KX-PWR-440WDC, PWR-C1-440WDC: –36 VDC (minimum) –60 VDC (nominal), –72 VDC (maximum)
Total input BTU ¹	C3KX-PWR-440WDC, PWR-C1-440WDC: 1841 Btus per hour, 540 W
Total output BTU ¹	C3KX-PWR-440WDC, PWR-C1-440WDC: 1502 Btus per hour, 440 W
Wire gauge for ground connection	C3KX-PWR-440WDC, PWR-C1-440WDC: 12 AWG or 8 AWG
Branch circuit protection	C3KX-PWR-440WDC, PWR-C1-440WDC: 20 A

1. 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 –36 VDC.

Fan Module Specifications

Table A-5 Fan Module Environmental and Physical Specifications

Environmental Ranges	
Operating temperature	23 to 113° F (–5 to 45° C)
Storage temperature	–40 to 158° F (–40 to 70° C)
Relative humidity	10 to 95% (noncondensing)
Altitude	Up to 10,000 ft (3049 m)

Table A-5 *Fan Module Environmental and Physical Specifications (continued)*

Physical Specification	
Dimensions (H x D x W)	1.68 x 6.8 x 5.74 in. (4.27 x 17.27 x 14.58 cm)
Weight	0.24 lb. (0.1 kg)
Operating Specification	
Airflow	60 cfm

