



Technical Specifications

Table A-1, Table A-2, and Table A-3, list the technical specifications for the Catalyst 3500 series XL switches. Table A-4 lists the regulatory agency approvals.

Table A-1 *Technical Specifications for the Catalyst 3508G XL Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°C)
Storage temperature	−4 to 149°F (−10 to 65°C)
Operating humidity	10 to 85% (noncondensing)
Operating altitude	Up to 10,000 ft (3000 m)
Storage altitude	Up to 15,000 ft (4570 m)
Power Requirements	
AC input voltage	100 to 127/200 to 240 VAC (autoranging) 50 to 60 Hz
DC input voltages	+3.3V ⁻⁻⁻ @ 14A, +12V ⁻⁻⁻ @ 3A
Power consumption	82.2W 280 Btus per hour
Physical Dimensions	
Weight	12 lb (5.45 kg)
Dimensions (H x W x D)	1.75 x 16 x 17.5 in. (4.45 x 40.46 x 44.45 cm)

Table A-2 Technical Specifications for the Catalyst 3512, 3524, and 3548 XL Switches

	Catalyst 3512 XL	Catalyst 3524 XL	Catalyst 3548 XL
Environmental Ranges			
Operating temperature	32 to 113°F (0 to 45°C)	32 to 113°F (0 to 45°C)	32 to 113°F (0 to 45°C)
Storage temperature	-4 to 149°F (-10 to 65°C)	-4 to 149°F (-10 to 65°C)	-4 to 149°F (-10 to 65°C)
Relative humidity	10 to 85% (noncondensing)	10 to 85% (noncondensing)	10 to 85% (noncondensing)
Operating altitude	Up to 10,000 ft (3000 m)	Up to 10,000 ft (3000 m)	Up to 10,000 ft (3000 m)
Storage altitude	15,000 ft (4570 m)	15,000 ft (4570 m)	15,000 ft (4570 m)
Power Requirements			
AC input voltage	100 to 127/200 to 240 VAC (autoranging) 50 to 60 Hz	100 to 127/200 to 240 VAC (autoranging) 50 to 60 Hz	100 to 127/200 to 240 VAC (autoranging) 50 to 60 Hz
DC input voltages	+5V --- @8.0A, +12V --- @0.5A	+5V --- @10A, +12V --- @0.5A	+3.3V --- @17A +12V --- @1.1A
Power consumption	50W 171 Btus per hour	75W 256 Btus per hour	100W 600 Btus per hour
Physical Dimensions			
Weight	10.25 lb (4.65 kg)	8.5 lb (3.86 kg)	12 lb (5.45 kg)
Dimensions (H x D x W)	1.75 x 11.82 x 17.5 in. (4.45 x 30.02 x 44.45 cm)	1.75 x 11.82 x 17.5 in. (4.45 x 30.02 x 44.45 cm)	1.73 x 15.34 x 17.5 in. (4.39 x 39.0 x 44.45 cm)

Table A-3 Technical Specifications for the Catalyst 3524-PWR XL Switch

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°C)
Storage temperature	-4 to 149°F (-10 to 65°C)
Operating humidity	10 to 85% (noncondensing)
Operating altitude	Up to 10,000 ft (3000 m)
Storage altitude	Up to 15,000 ft (4570 m)
Power Requirements	
AC input voltage	100 to 127/200 to 240 VAC (autoranging) 50 to 60 Hz
DC input voltages	-48V _{DC} @ 3A, +12V _{DC} @ 6A
Power consumption	325W ¹ 1100 Btus per hour
Physical Dimensions	
Weight	10.25 lb (4.65 kg)
Dimensions (H x W x D)	1.75 x 11.82 x 17.5 in. (4.45 x 30.02 x 44.45 cm)

1. The actual power consumption depends on the number of IP phones connected. 325W represents 24 IP phones connected.

Table A-4 Catalyst 3500 Series XL Agency Approvals

Safety	EMC
UL to UL 1950, Third Edition	FCC Part 15 Class A
c-UL to CAN/CSA 22.2 No. 950-95, Third Edition	EN 55022 Class A (CISPR 22 Class A)
TUV/GS to EN 60950 with Amendment A1-A4 and A11	VCCI Class A
ACA/A2LA to AS/NZS 3260 and TS001-1997	AS/NZS 3548 Class A
CB to IEC 60950 with all country deviations	BSMI
NOM to NOM-019-SCFI	CE Marking
CE Marking	

