



APPENDIX A

Technical Specifications

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Table A-1 *Specifications for the Catalyst 3750G-12S Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 0.6 to 1.2 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V \pm 13 A
Power consumption	120 W, 409 BTUs per hour
Power rating	0.120 kVA
Physical Dimensions	
Weight	10 lb (4.6 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 12.8 in. (4.4 x 44.5 x 32.6 cm)

Table A-2 *Specifications for the Catalyst 3750G-12S-SD Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
DC input voltage	–36 to –72 VDC 3 to 1.5 A
Power consumption	94 W, 321 BTUs per hour
Physical Dimensions	
Weight	10 lb (4.6 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 12.8 in. (4.4 x 44.5 x 32.6 cm)

Table A-3 *Specifications for the Catalyst 3750-24FS Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 1.5 to 3 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V $\overline{\text{---}}$ @8.5 A
Power consumption	70 W, 240 BTUs per hour
Power rating	0.070 kVA
Physical Dimensions	
Weight	9 lb (4.1 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 11.8 in. (4.4 x 44.5 x 30.1 cm)

Table A-4 *Specifications for the Catalyst 3750-24TS Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 0.6 to 1.2 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V $\overline{\text{---}}$ @8.5 A
Power consumption	50 W, 171 BTUs per hour
Power rating	0.083 kVA
Physical Dimensions	
Weight	8 lb (3.6 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 11.8 in. (4.4 x 44.5 x 30.1 cm)

Table A-5 *Specifications for the Catalyst 3750G-24T Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 0.9 to 1.6 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V $\overline{\text{---}}$ @ 13 A
Power consumption	165 W, 563 BTUs per hour
Power rating	0.165 kVA
Physical Dimensions	
Weight	10 lb (4.6 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 12.8 in. (4.4 x 44.5 x 32.6 cm)

Table A-6 *Specifications for the Catalyst 3750-24PS Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 2.9 to 5.5 A, 50 to 60 Hz
DC input voltage for RPS 2300 and 675	+12 V \pm 5% @7.5 A and –48 V \pm 5% @7.8 A
Power consumption	495 W
Power dissipation	125 W, 426 BTUs per hour
Power rating	0.495 kVA
Power over Ethernet	
15.4 W per port maximum, 370 W switch maximum	
Physical Dimensions	
Weight	11.3 lb (5.1 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 11.8 in. (4.4 x 44.5 x 30.1 cm)

Table A-7 *Specifications for the Catalyst 3750G-24PS Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 4 to 8 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V $\overline{=}$ @ 14 A and –48 V $\overline{=}$ @ 7.8 A
Power consumption	520 W
Power dissipation	170 W, 534 BTUs per hour
Power rating	0.52 kVA
Power over Ethernet	
Range from 4 to 15.4 W per port, up to 370 W switch maximum	
Physical Dimensions	
Weight	13.5 lb (6.1 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 14.9 in. (4.4 x 44.5 x 37.8 cm)

Table A-8 *Specifications for the Catalyst 3750-48PS Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 4 to 8 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V \pm 5% @7.5 A and –48 V \pm 5% @7.8 A
Power consumption	540 W
Power dissipation	170 W, 580 BTUs per hour
Power rating	0.54 kVA
Power over Ethernet	
Range from 4 to 15.4 W per port, up to 370 W switch maximum	
Physical Dimensions	
Weight	13.2 lb (6 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 14.8 in. (4.4 x 44.5 x 37.8 cm)

Table A-9 *Specifications for the Catalyst 3750G-48PS Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 4 to 8 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V $\overline{=}$ @ 14 A and –48 V $\overline{=}$ @ 7.8 A
Power consumption	560 W
Power dissipation	220 W, 690 BTUs per hour
Power rating	0.56 kVA
Power over Ethernet	
Range from 4 to 15.4 W per port, up to 370 W switch maximum	
Physical Dimensions	
Weight	15.5 lb (7 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 16.1 in. (4.4 x 44.5 x 40.9 cm)

Table A-10 *Specifications for the Catalyst 3750G-16TD Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 0.9 to 1.6 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V $\overline{\text{---}}$ @17 A
Power consumption	180 W, 615 BTUs per hour
Power rating	0.180 kVA
Physical Dimensions	
Weight	12.5 lb (5.7 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 16.1 in. (4.4 x 44.5 x 40.9 cm)

Table A-11 *Specifications for the Catalyst 3750G-24TS Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 1.5 to 2.3 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V $\overline{=}$ @ 17 A
Power consumption	190 W, 650 BTUs per hour
Power rating	0.190 kVA
Physical Dimensions	
Weight	12.5 lb (5.7 kg)
Dimensions (H x W x D)	2.59 x 17.5 x 11.6 in. (6.6 x 44.5 x 29.5 cm)

Table A-12 *Specifications for the Catalyst 3750G-24TS-1U Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 1.5 to 3 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V $\overline{\text{---}}$ @10.5 A
Power consumption	100 W
Power dissipation	100 W, 314 BTUs per hour
Power rating	0.10 kVA
Physical Dimensions	
Weight	12 lb (5.5 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 14.9 in. (4.4 x 44.5 x 37.8 cm)

Table A-13 *Specifications for the Catalyst 3750-48TS Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 0.6 to 1.2 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V _{DC} @ 8.5 A
Power consumption	75 W, 256 BTUs per hour
Power rating	0.075 kVA
Physical Dimensions	
Weight	9.1 lb (4.1 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 11.8 in. (4.4 x 44.5 x 30.1 cm)

Table A-14 *Specifications for the Catalyst 3750G-48TS Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 1.5 to 3 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V _{DC} @ 17.5 A
Power consumption	160 W
Power dissipation	160 W, 500 BTUs per hour
Power rating	0.16 kVA
Physical Dimensions	
Weight	14 lb (6.4 kg)
Dimensions (H x W x D)	1.73 x 17.5 x 16.1 in. (4.4 x 44.5 x 40.9 cm)

Table A-15 *Specifications for the Catalyst 3750G-24WS-S25 and 3750G-24WS-S50 Switch*

Environmental Ranges	
Operating temperature	32 to 113°F (0 to 45°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)
Power Requirements	
AC input voltage	100 to 240 VAC (autoranging) 4 to 8 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+ 12 V $\overline{=}$ @ 14 A and –48 V $\overline{=}$ @ 7.8 A
Power consumption	520 W
Power dissipation	190 W, 648 BTUs per hour
Power rating	0.52 kVA
Power over Ethernet	
Range from 4 to 15.4 W per port, up to 370 W switch maximum	
Physical Dimensions	
Weight	21 lb (9.5 kg)
Dimensions (H x W x D)	3.5 x 17.5 x 14.5in. (8.9 x 44.5 x 36.8 cm)