



# APPENDIX **A**

## Technical Specifications

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This appendix lists the switch technical specifications in these tables:

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

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @ 13 A
Power consumption	120 W, 409 BTUs per hour
Power rating	0.120 kVA
<b>Physical Dimensions</b>	
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

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
DC input voltage	-36 to -72 VDC 3 to 1.5 A
Power consumption	94 W, 321 BTUs per hour
<b>Physical Dimensions</b>	
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**

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @ 8.5 A
Power consumption	70 W, 240 BTUs per hour
Power rating	0.070 kVA
<b>Physical Dimensions</b>	
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**

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @ 8.5 A
Power consumption	50 W, 171 BTUs per hour
Power rating	0.083 kVA
<b>Physical Dimensions</b>	
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**

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @ 13 A
Power consumption	165 W, 563 BTUs per hour
Power rating	0.165 kVA
<b>Physical Dimensions</b>	
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**

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @ 7.5 A and -48 V <sub>DC</sub> @ 7.8 A
Power consumption	495 W
Power dissipation	125 W, 426 BTUs per hour
Power rating	0.495 kVA
<b>Power over Ethernet</b>	
15.4 W per port maximum, 370 W switch maximum	
<b>Physical Dimensions</b>	
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**

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @14 A and -48 V <sub>DC</sub> @7.8 A
Power consumption	520 W
Power dissipation	170 W, 534 BTUs per hour
Power rating	0.52 kVA
<b>Power over Ethernet</b>	
Range from 4 to 15.4 W per port, up to 370 W switch maximum	
<b>Physical Dimensions</b>	
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**

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @7.5 A and -48 V <sub>DC</sub> @7.8 A
Power consumption	540 W
Power dissipation	170 W, 580 BTUs per hour
Power rating	0.54 kVA
<b>Power over Ethernet</b>	
Range from 4 to 15.4 W per port, up to 370 W switch maximum	

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

<b>Environmental Ranges</b>	
<b>Physical Dimensions</b>	
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

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @14 A and -48 V <sub>DC</sub> @7.8 A
Power consumption	560 W
Power dissipation	220 W, 690 BTUs per hour
Power rating	0.56 kVA
<b>Power over Ethernet</b>	
Range from 4 to 15.4 W per port, up to 370 W switch maximum	
<b>Physical Dimensions</b>	
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

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
AC input voltage	100 to 240 VAC (autoranging) 0.9 to 1.6 A, 50 to 60 Hz

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

<b>Environmental Ranges</b>	
DC input voltages for RPS 2300 and 675	+12 V <sub>DC</sub> @17 A
Power consumption	180 W, 615 BTUs per hour
Power rating	0.180 kVA
<b>Physical Dimensions</b>	
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**

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @17 A
Power consumption	190 W, 650 BTUs per hour
Power rating	0.190 kVA
<b>Physical Dimensions</b>	
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**

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
AC input voltage	100 to 240 VAC (autoranging) 1.5 to 3 A, 50 to 60 Hz

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

<b>Environmental Ranges</b>	
DC input voltages for RPS 2300 and 675	+12 V <sub>DC</sub> @ 10.5 A
Power consumption	100 W
Power dissipation	100 W, 314 BTUs per hour
Power rating	0.10 kVA
<b>Physical Dimensions</b>	
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

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @ 8.5 A
Power consumption	75 W, 256 BTUs per hour
Power rating	0.075 kVA
<b>Physical Dimensions</b>	
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

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	

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

<b>Environmental Ranges</b>	
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 <sub>DC</sub> @17.5 A
Power consumption	160 W
Power dissipation	160 W, 500 BTUs per hour
Power rating	0.16 kVA
<b>Physical Dimensions</b>	
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**

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
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 <sub>DC</sub> @14 A and -48 V <sub>DC</sub> @7.8 A
Power consumption	520 W
Power dissipation	190 W, 648 BTUs per hour
Power rating	0.52 kVA
<b>Power over Ethernet</b>	
Range from 4 to 15.4 W per port, up to 370 W switch maximum	
<b>Physical Dimensions</b>	
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)

**Table A-16 Specifications for the Catalyst 3750V2-48PS and 3750V2-24PS Switch**

<b>Environmental Ranges</b>	
Operating temperature	32 to 113°F (0 to 45°C)
Storage temperature	-13 to 158°F (-25 to 70°C)

**Table A-16** Specifications for the Catalyst 3750V2-48PS and 3750V2-24PS Switch (continued)

<b>Environmental Ranges</b>	
Relative humidity	10 to 85% (noncondensing)
Operating altitude	Up to 10,000 ft (3049 m)
Storage altitude	Up to 15,000 ft (4573 m)
<b>Power Requirements</b>	
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 <sub>DC</sub> @ 14 A and -48 V <sub>DC</sub> @ 7.8 A
Power consumption	560 W
Power dissipation	220 W, 690 BTUs per hour
Power rating	0.56 kVA
<b>Power over Ethernet</b>	
Range from 4 to 15.4 W per port, up to 370 W switch maximum	
<b>Physical Dimensions</b>	
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-17** Specifications for the Catalyst 3750V2-48TS and 3750V2-24TS Switch

<b>Environmental Ranges</b>	
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)
<b>Power Requirements</b>	
AC input voltage	100 to 240 VAC (autoranging) 0.8 to 1.5 A, 50 to 60 Hz
DC input voltages for RPS 2300 and 675	+12 V <sub>DC</sub> @ 17 A
Power consumption	180 W, 615 BTUs per hour
Power rating	0.180 kVA
<b>Physical Dimensions</b>	
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)