



# APPENDIX **A**

## Technical Specifications

---

These tables list the technical specifications for the Catalyst 2960 switches:

- [Table A-1 on page A-1, Environmental Specifications for All Catalyst 2960 Switches](#)
- [Table A-2 on page A-2, Catalyst 2960-24-S, 2960-Plus 24TC-S, 2960-24TC-S, 2960-Plus 48TC-S, and 2960-48TC-S Switch Specifications](#)
- [Table A-3 on page A-2, Catalyst 2960-Plus 24PC-L, 2960-24PC-L, 2960-24LT-L, 2960-Plus 48PST-L, and 2960-48PST-L Switch Specifications](#)
- [Table A-4 on page A-3, Catalyst 2960-Plus 24TC-L, 2960-24TC-L and 2960-24TT-L Switch Specifications](#)
- [Table A-5 on page A-3, Catalyst 2960-Plus 48TC-L, 2960-48TC-L, 2960-48TT-S, and 2960-48TT-L Switch Specifications](#)
- [Table A-6 on page A-4, Catalyst 2960G-24TC-L and Catalyst 2960G-48TC-L Switch Specifications](#)
- [Table A-7 on page A-4, Catalyst 2960-8TC-L, 2960G-8TC-L, 2960-8TC-S, and 2960PD-8TT-L Switch Specifications](#)
- [Table A-8 on page A-5, Catalyst 2960-Plus 48PST-S, 2960-48PST-S, 2960-Plus 24PC-S, 2960-24PC-S, 2960-Plus 24LC-L, 2960-Plus 24LC-S and 2960-24LC-S Switch Specifications](#)

**Table A-1**      **Environmental Specifications for All Catalyst 2960 Switches**

<b>Environmental Ranges (All)</b>	
Operating temperature	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	–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)

**Table A-2 Catalyst 2960-24-S, 2960-Plus 24TC-S, 2960-24TC-S, 2960-Plus 48TC-S, and 2960-48TC-S Switch Specifications**

<b>Power Requirements</b>	
AC input voltage	100 to 240 VAC (autoranging) 1.3 to 0.8 A, 50 to 60 Hz
Power consumption	<ul style="list-style-type: none"> <li>30 W, 103 BTUs per hour (Catalyst 2960-24-S, 2960-Plus 24TC-S, and 2960-24TC-S)</li> <li>45 W, 154 BTUs per hour (Catalyst 2960-Plus 48TC-S and 2960-48TC-S)</li> </ul>
Power rating	<ul style="list-style-type: none"> <li>0.05 KVA (Catalyst 2960-24-S, 2960-Plus 24TC-S, and 2960-24TC-S)</li> <li>0.075 KVA (Catalyst 2960-Plus 48TC-S and 2960-48TC-S)</li> </ul>
<b>Physical Dimensions</b>	
Weight	8 lb (3.63 kg)
Dimensions (H x D x W)	1.73 x 9.3 x 17.5 in. (4.39 x 23.62 x 44.45 cm)

**Table A-3 Catalyst 2960-Plus 24PC-L, 2960-24PC-L, 2960-24LT-L, 2960-Plus 48PST-L, and 2960-48PST-L Switch Specifications**

<b>Power Requirements</b>	
AC input voltage	100 to 240 VAC (autoranging) 8 to 4 A, 50 to 60 Hz (Catalyst 2960-Plus 24PC-L and 2960-24PC-L) 3 to 1.5 A, 50 to 60 Hz (Catalyst 2960-24LT-L) 5 to 2 A, 50 to 60 Hz (Catalyst 2960-Plus 48PST-L and 2960-48PST-L)
DC input voltage for RPS 2300	+12 V $\overline{=}$ @ 11.25 A, -48 V $\overline{=}$ @ 7.8 A (Catalyst 2960-Plus 24PC-L and 2960-24PC-L) +12 V $\overline{=}$ @ 8.3 A, -48 V $\overline{=}$ @ 2.7A (Catalyst 2960-24LT-L) +12 V $\overline{=}$ @ 4 A, -48 V $\overline{=}$ @ 7.8A (Catalyst 2960-Plus 48PST-L and 2960-48PST-L)
Power consumption <sup>1</sup>	100 W, 341 BTUs per hour (Catalyst 2960-Plus 24PC-L and 2960-24PC-L) 51 W, 174 BTUs per hour (Catalyst 2960-24LT-L) 483 W, 1647 BTUs per hour (Catalyst 2960-Plus 48PST-L and 2960-48PST-L)
Power rating	0.470 KVA (Catalyst 2960-Plus 24PC-L and 2960-24PC-L) 0.175 KVA (Catalyst 2960-24LT-L) 0.5 KVA (Catalyst 2960-Plus 48PST-L and 2960-48PST-L)
<b>Power over Ethernet</b>	
15.4 W-per-port maximum, 370-W switch maximum (Catalyst 2960-Plus 24PC-L, 2960-24PC-L, 2960-Plus 48PST-L and Catalyst 2960-48PST-L)	
15.4-W-per-port maximum, 124-W switch maximum (Catalyst 2960-24LT-L)	

**Table A-3 Catalyst 2960-Plus 24PC-L, 2960-24PC-L, 2960-24LT-L, 2960-Plus 48PST-L, and 2960-48PST-L Switch Specifications (continued)**

<b>Physical Dimensions</b>	
Weight	12 lb (5.44 kg) (Catalyst 2960-Plus 24PC-L and 2960-24PC-L) 10 lb (4.54 kg) (Catalyst 2960-24LT-L) 12 lb (5.44 kg) (Catalyst 2960-Plus 48PST-L and 2960-48PST-L)
Dimensions (H x D x W)	1.73 x 13 x 17.5 in. (4.39 x 33.02 x 44.45 cm) (Catalyst 2960-Plus 24PC-L, 2960-24PC-L and 2960-24LT-L) 1.73 x 12.9 x 17.5 in. (4.39 x 32.77 x 44.45 cm) (Catalyst 2960-Plus 48PST-L and 2960-48PST-L)

1. The power consumption values are for the switch input power.

**Table A-4 Catalyst 2960-Plus 24TC-L, 2960-24TC-L and 2960-24TT-L Switch Specifications**

<b>Power Requirements</b>	
AC input voltage	100 to 240 VAC (autoranging) 1.3 to 0.8 A, 50 to 60 Hz
DC input voltage for RPS 2300	+12 V $\overline{\text{DC}}$ @5 A
DC input voltage for RPS 675	+12 V $\overline{\text{DC}}$ @5 A
Power consumption	30 W, 103 BTUs per hour
Power rating	0.05 KVA
<b>Physical Dimensions</b>	
Weight	8 lb (3.63 kg)
Dimensions (H x D x W)	1.73 x 9.3 x 17.5 in. (4.39 x 23.62 x 44.45 cm)

**Table A-5 Catalyst 2960-Plus 48TC-L, 2960-48TC-L, 2960-48TT-S, and 2960-48TT-L Switch Specifications**

<b>Power Requirements</b>	
AC input voltage	100 to 240 VAC (autoranging) 1.3 to 0.8 A, 50 to 60 Hz
DC input voltage for RPS 2300	+12 V $\overline{\text{DC}}$ @5 A
DC input voltage for RPS 675	+12 V $\overline{\text{DC}}$ @5 A
Power consumption	45 W, 154 BTUs per hour
Power rating	0.075 KVA
<b>Physical Dimensions</b>	
Weight	8 lb (3.63 kg)
Dimensions (H x D x W)	1.73 x 9.3 x 17.5 in. (4.39 x 23.62 x 44.45 cm)

**Table A-6 Catalyst 2960G-24TC-L and Catalyst 2960G-48TC-L Switch Specifications**

<b>Power Requirements</b>	
AC input voltage	100 to 240 VAC (autoranging) 3 to 1.5 A, 50 to 60 Hz
DC input voltage for RPS 2300	+12 V <sub>DC</sub> @10.5 A
DC input voltage for RPS 675	+12 V <sub>DC</sub> 10.5 A
Power consumption	75 W, 256 BTUs per hour (Catalyst 2960G-24TC-L) 140 W, 477 BTUs per hour (Catalyst 2960G-48TC-L)
Power rating	0.075 KVA (Catalyst 2960G-24TC-L) 0.14 KVA (Catalyst 2960G-48TC-L)
<b>Physical Dimensions</b>	
Weight	10 lb (4.54 kg) (Catalyst 2960G-24T-L) 12 lb (5.44 kg) (Catalyst 2960G-48TC-L)
Dimensions (H x D x W)	1.73 x 12.9 x 17.5 in. (4.39 x 32.76 x 44.45 cm)

**Table A-7 Catalyst 2960-8TC-L, 2960G-8TC-L, 2960-8TC-S, and 2960PD-8TT-L Switch Specifications**

<b>Power Requirements</b>	
AC input voltage	100 to 240 VAC (autoranging) 0.5 to 0.25 A, 50 to 60 Hz (Catalyst 2960-8TC-L and Catalyst 2960-8TC-S) 0.8 to 0.4 A, 50 to 60 Hz (Catalyst 2960G-8TC-L) Unspecified when AC power adapter installed (Catalyst 2960PD-8TT-L)
DC input voltage	48 VDC, 0.3 A (Catalyst 2960PD-8TT-L)
Power consumption	20 W, 68 BTUs per hour (Catalyst 2960-8TC-L and Catalyst 2960-8TC-S) 30 W, 102 BTUs per hour (Catalyst 2960G-8TC-L) 11 W, 38 BTUs per hour (Catalyst 2960PD-8TT-L <sup>1</sup> )
Power rating	0.035 KVA (Catalyst 2960-8TC-L, Catalyst 2960-8TC-S, and Catalyst 2960PD-8TT-L) 0.05 KVA (Catalyst 2960G-8TC-L) 11 W (Catalyst 2960PD-8TT-L)
<b>Physical Dimensions</b>	
Weight	3 lb (1.4 kg)
Dimensions (H x D x W)	1.73 x 6.4 x 10.6 in. (4.4 x 16.3 x 26.9 cm) (Catalyst 2960-8TC-L, 2960-8TC-S, and Catalyst 2960PD-8TT-L) 1.73 x 8.1 x 10.6 in. (4.4 x 20.5 x 26.9 cm) (Catalyst 2960G-8TC-L)

1. The power consumption for the Catalyst 2960PD-8TT-L switch is for the switch system and does not refer to power consumption with the optional AC power adapter installed.

**Table A-8 Catalyst 2960-Plus 48PST-S, 2960-48PST-S, 2960-Plus 24PC-S, 2960-24PC-S, 2960-Plus 24LC-L, 2960-Plus 24LC-S and 2960-24LC-S Switch Specifications**

<b>Power Requirements</b>	
AC input voltage	100 to 240 VAC (autoranging) 8 to 4 A, 50 to 60 Hz (Catalyst 2960-Plus 24PC-S and 2960-24PC-S) 3 to 1.5 A, 50 to 60 Hz (Catalyst 2960-Plus 24LC-L, 2960-Plus 24LC-S and 2960-24LC-S) 5 to 2 A, 50 to 60 Hz (Catalyst 2960-Plus 48PST-S and 2960-48PST-S)
DC input voltage for RPS 2300	+ 12 V $\overline{=}$ @ 11.25 A, -48 V $\overline{=}$ @ 7.8 A (Catalyst 2960-Plus 24PC-S and 2960-24PC-S) + 12 V $\overline{=}$ @ 8.3 A, -48 V $\overline{=}$ @ 2.7 A (Catalyst 2960-Plus 24LC-L, 2960-Plus 24LC-S and 2960-24LC-S) +12 V $\overline{=}$ @ 4 A, -48 V $\overline{=}$ @ 7.8 A (Catalyst 2960-Plus 48PST-S and 2960-48PST-S)
Power consumption <sup>1</sup>	100 W, 341 BTUs per hour (Catalyst 2960-Plus 24PC-S and 2960-24PC-S) 51 W, 174 BTUs per hour (Catalyst 2960-Plus 24LC-L, 2960-Plus 24LC-S and 2960-24LC-S) 483 W, 1647 BTUs per hour (Catalyst 2960-Plus 48PST-S and 2960-48PST-S)
Power rating	0.470 KVA (Catalyst 2960-Plus 24PC-S and 2960-24PC-S) 0.175 KVA (Catalyst 2960-Plus 24LC-L, 2960-Plus 24LC-S and 2960-24LC-S) 0.5 KVA (Catalyst 2960-Plus 48PST-S and 2960-48PST-S)
<b>Power over Ethernet</b>	
15.4 W-per-port maximum, 370-W switch maximum (Catalyst 2960-Plus 48PST-S, 2960-48PST-S, 2960-Plus 24PC-S, 2960-24PC-S switches).	
15.4 W-per-port maximum, 124-W switch maximum (Catalyst 2960-Plus 24LC-L, 2960-Plus 24LC-S and 2960-24LC-S).	
<b>Physical Dimensions</b>	
Weight	12 lb (5.44 kg) (Catalyst 2960-Plus 24PC-S and 2960-24PC-S) 10 lb (4.54 kg) (Catalyst 2960-Plus 24LC-L, 2960-Plus 24LC-S and 2960-24LC-S) 12 lb (5.44 kg) (Catalyst 2960-Plus 48PST-S and 2960-48PST-S)
Dimensions (H x W x D)	1.73 x 13 x 17.5 in. (4.39 x 33.02 x 44.45 cm)

1. The power consumption values are for the switch input power.

