

Specifications and Cables

This appendix provides system, cabling, and port specifications for the switch.

System Specifications

Table B-1 outlines the system specifications for the switch.

Table B-1 System Specifications

Description	Specification
Environmental Operating Ranges	
Nonoperating temperature	-13 to 158°F (-25 to 70°C)
Nonoperating humidity	0 to 90%, noncondensing
Nonoperating altitude	up to 30,000 ft (9146 meters)
Operating temperature	23 to 113°F (-5 to 45°C)
Operating humidity	0 to 85%, noncondensing
Operating altitude	up to 9840 ft (3000 meters)
Power Requirements	
AC input voltage	100 to 127 VAC, 200 to 240 VAC
Power consumption	20W

Table B-1 System Specifications (Continued)

Description	Specification
Physical Dimensions	
Dimensions (H x W x D)	3.1 x 11.2 x 8.7 in. (7.9 x 28.5 x 22.1 cm) Height includes the stacking curves on top of the switch.
Weight	2.7 lb (1.2 kg)

Ethernet Cable Specifications

For information on the Ethernet cables you must supply to connect network devices to the switch, refer to the “Preinstallation” section in Chapter 2, “Installation.”

Cable Pinouts

Table B-2 describes the wiring for the 10BaseT and 100BaseTX straight-through Ethernet cable. Table B-3 describes the wiring for the 10BaseT and 100BaseTX crossover Ethernet cable.

Table B-2 10BaseT/100BaseTX Straight-Through Ethernet Cable

RJ-45 (from Network Device) Pin	Signal	Direction	RJ-45 (from Switch) Pin
1	TX+	—>	1
2	TX-	—>	2
3	RX+	<—	3
4	—	—	4
5	—	—	5
6	RX-	<—	6
7	—	—	7
8	—	—	8

Table B-3 10BaseT/100BaseTX Crossover Ethernet Cable

RJ-45 (from Network Device) Pin ¹	Signal	Direction	RJ-45 (from Switch) Pin
1	TX+	—>	3
2	TX-	—>	6
3	RX+	<—	1
4	—	—	—
5	—	—	—
6	RX-	<—	2
7	—	—	—
8	—	—	—

1. Incorrectly connected unused wires generate noise on long lengths.

