



Specifications

This appendix provides cable and technical specifications for the Catalyst 4948 switch.

Console Port

The console port is an RJ-45 receptacle. The Request to Send (RTS) signal tracks the state of the Clear to Send (CTS) input. [Table A-1](#) lists the console port pinouts.

Table A-1 Console Port Pinouts

Pin	Signal	Direction	Description
1	RTS	output	request to send
2	DTR	output	data terminal ready
3	TXD	output	transmit data
4	GND		
5	GND		
6	RXD	input	receive data
7	DSR	input	data set ready
8	CTS	input	clear to send

10/100BASE-T Management Port

The 10/100BASE-T port is an RJ-45 receptacle with a Link Status LED. [Table A-2](#) lists the 10/100BASE-T port pinouts.

Table A-2 10/100BASE-T Port Pinouts

Pin	Signal	Direction	Description
1	RXDP	input	receive data
2	RXDN	input	receive data
3	TXDP	output	transmit data
4	unused		
5	unused		
6	TXDN	output	transmit data
7	unused		
8	unused		

Catalyst 4948 Switch Specifications

Catalyst 4948 switch specifications are provided in [Table A-3](#).

Table A-3 Catalyst 4948 Switch Specifications

Item	Specification
Environmental	
Temperature ambient operating	32°F (0°C) to 104°F (40°C)
Temperature ambient nonoperating and storage	-40 to 167°F (-40 to 75°C)
Humidity (RH), ambient (noncondensing) operating	10% to 90%
Humidity (RH), ambient (noncondensing) nonoperating and storage	5% to 95%

Table A-3 Catalyst 4948 Switch Specifications (continued)

Item	Specification
Altitude operating and nonoperating	-60 to 2000 m
Switch heat dissipation	1023 BTU/hour
Switching Components	
Memory	256-MB SDRAM, 64-MB Flash (onboard and fixed), 512-KB NVRAM, 256 bytes serial EEROM
Physical Characteristics	
Dimensions (H x W x D)	1.75 x 17.5 x 16 in. (4.5 x 44.5 x 40.6 cm)
Weight	17 lb (7.8 kg) for a system with two power supplies
Airflow	Sides in, rear out
AC Power	
Power supply output	300 W
System power dissipation	150 W
AC-input	4 A maximum @ 100 VAC 2 A maximum @ 240 VAC
AC frequency	50 to 60 Hz
Output current	25A max
Output voltage	12V
Input KVA rating	0.375 KVA
DC Power	
Power supply output	300 W
System power dissipation	150 W
DC-input	8A @ -48 to -60 VDC
Output current	25A max
Output voltage	12V
Input KVA rating	0.4 KVA

