



# Specifications

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**Revised: January 4, 2012**

This appendix provides cable and technical specifications for the Catalyst 4948-10GE 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



**Note** A console cable is not provided in the accessory kit. It can be ordered as an option.

## 10/100BASE-T Management Port

The 10/100BASE-T management 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 4948-10GE Switch Specifications

Catalyst 4948-10GE switch specifications are provided in [Table A-3](#).

**Table A-3** Catalyst 4948-10GE Switch Specifications

Item	Specification
<b>Environmental</b>	
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)

**Table A-3 Catalyst 4948-10GE Switch Specifications (continued)**

Item	Specification
Humidity (RH), ambient (noncondensing) operating	10% to 90%
Humidity (RH), ambient (noncondensing) nonoperating and storage	5% to 95%
Altitude operating and nonoperating	-60 to 2000 m
Switch heat dissipation	1023 BTU/hour
<b>Switching Components</b>	
Memory	256-MB SDRAM, 64-MB Flash (onboard and fixed), 512-KB NVRAM, 256 bytes serial EEROM
<b>Physical Characteristics</b>	
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
<b>AC Power</b>	
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
<b>DC Power</b>	
Power supply output	300 W
System power dissipation	150 W
DC-input	8A @ -48 to -60 VDC
Output current	25A max

**Table A-3 Catalyst 4948-10GE Switch Specifications (continued)**

<b>Item</b>	<b>Specification</b>
Output voltage	12V
Input KVA rating	0.4 KVA