



APPENDIX **A**

Specifications

This appendix provides cable and technical specifications for the Catalyst 4900M switches.

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

10/100/1000BASE-T Management Port

The 10/100/1000BASE-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 4900M Switch Specifications

Catalyst 4900M switch specifications are provided in [Table A-3](#).

Table A-3 Catalyst 4900 Series 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 4900 Series Switch Specifications (continued)

Item	Specification
Altitude operating and nonoperating	-60 to 2000 m
Switch heat dissipation	723 BTU/hour
Switching Components	
Memory	512-MB SDRAM, 128-MB Flash (onboard and fixed), 256 bytes serial EEROM
Physical Characteristics	
Dimensions (H x W x D)	3.5 x 17.2 x 17.9 in. (8.9 x 43.7 x 45.5 cm)
Weight	34.0 lb (15.4 kg) for a system with two power supplies, 4.5 lb (2.1 kg) per power supply
Airflow	Left to right
AC Power	
Power supply output	960 W
Power supply dissipation	240 W
AC-input	12 A maximum @ 100 VAC 5 A maximum @ 240 VAC
AC frequency	50 to 60 Hz
Output current	80 A maximum
Inrush value	Cold turn on (PSU on for < 1 hour) 50 A for one cycle of AC
Output voltage	12 V
Input KVA rating	1.200 KVA
DC Power	
Power supply output	960 W
Power supply dissipation	320 W
DC-input	27 A @ -48 VDC (Operating range -40.5 to -56 VDC) 21.6 A @ -60 VDC (Operating range -55 to -72 VDC)
Output current	80 A maximum

Table A-3 Catalyst 4900 Series Switch Specifications (continued)

Item	Specification
Inrush value	Hot turn on (PSU on for > 1 hour) 75 A
Output voltage	12 V
Input KVA rating	1.296 KVA