



## Specifications and Cables

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This appendix provides system, port, and cabling specifications for the Cisco 836 and Cisco SOHO 96 series routers.

This chapter provides information on the following topics:

- [System Specifications](#)
- [Port Connector Pinouts](#)
- [Maximum Cable Distance](#)

## System Specifications

[Table A-1](#) outlines the system specifications for the Cisco 836 and Cisco SOHO 96 series routers.

**Table A-1** *System Specifications*

Description	Design Specification
<b>Physical Dimensions</b>	
Dimensions (H x W x D)	2.0 x 9.7 x 8.5 in. (51 x 246 x 216 mm)
Weight (does not include desktop power supply)	1.48 lb. (0.67 kg)

Table A-1 System Specifications (continued)

Description	Design Specification
<b>Environmental Operating Ranges</b>	
Nonoperating temperature	-4 to 149°F (-20 to 65°C)
Nonoperating humidity	5 to 95%, relative humidity
Nonoperating altitude	0 to 15,000 ft (4,570 m)
Operating temperature	32 to 104°F (0 to 40°C)
Operating humidity	10 to 85%, relative humidity
Operating altitude	0 to 10,000 ft (3,000 m)
<b>Router Power</b>	
AC input voltage	100 to 250 VAC
Frequency	50 to 60 Hz
Power consumption	Maximum of 18W
Voltage	18 VDC

For information on regulatory compliance, refer to the *Regulatory Compliance and Safety Information for Cisco 800 and SOHO Series Router* document that shipped with your router.



### Warning

**Ultimate disposal of this product should be handled according to all national laws and regulations.**

## Port Connector Pinouts

This section provides pinouts for the following connectors:

- ADSL—See [Table A-2](#).
- Console (for connecting a terminal or PC)—See [Table A-3](#).

**Table A-2** *ADSL Cable Pinouts (RJ-11-to-RJ-45)*

<b>RJ-11 Pin</b>	<b>Function</b>	<b>RJ-45 Pin</b>	<b>Function</b>
1	Unused	1	Unused
2	Unused	2	Unused
3	Ring	3	Unused
4	Tip	4	Ring
5	Unused	5	Tip
6	Unused	6	Unused
		7	Unused
		8	Unused

**Table A-3** *Console Connector Pinouts (RJ-45-to-DB-9)*

<b>RJ-45 Pin</b>	<b>Function</b>	<b>DB-9 Pin</b>
1	RTS	8
2	DTR	6
3	TXD	2
4	GND	5
5	GND	5
6	RXD	3
7	DSR	4
8	CTS	7

The console port is configured as a data communications equipment (DCE) device. The default parameters for the console port are as follows:

- 9600 baud
- Eight data bits
- No parity
- One stop bit

# Cabling Specifications

This section provides specifications for the following Ethernet cables, which you might need to provide:

- Straight-through cables
- Crossover cables

## Ethernet Cable Specifications

[Table A-4](#) lists the specifications for straight-through and crossover Ethernet cables.

**Table A-4 Ethernet Cable Specifications**

Type	Category
10BASE-T	Category 3 or 5
100BASE-T	Category 5 or higher

## Maximum Cable Distance

[Table A-5](#) provides the maximum distance of Ethernet and telephone cables that you can use to connect equipment to the router.

**Table A-5 Maximum Cable Distance**

Cable	Maximum Distance
Ethernet cables	328 ft (100 m)