



## Specifications and Cables

This appendix provides system, port, and cabling specifications for the Cisco 837 and SOHO 97 routers.

### System Specifications

[Table A-1](#) outlines the system specifications for the 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)                      |
| <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 (4570 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 (3000 m)                 |

**Table A-1 System Specifications (continued)**

| Description         | Design Specification |
|---------------------|----------------------|
| <b>Router Power</b> |                      |
| AC input voltage    | 100 to 240 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 Series and SOHO Series Routers* 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:

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

**Table A-2 Console Connector Pinouts (RJ-45)**

| Pin | Function |
|-----|----------|
| 1   | RTS      |
| 2   | DTR      |
| 3   | TXD      |
| 4   | GND      |
| 5   | GND      |
| 6   | RXD      |

**Table A-2 Console Connector Pinouts (RJ-45) (continued)**

| Pin | Function |
|-----|----------|
| 7   | DSR      |
| 8   | CTS      |

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

[Table A-3](#) shows ADSL connector pinouts for the Cisco 837 and SOHO 97 routers.

**Table A-3 ADSL Connector Pinouts (RJ-11)**

| Pin | Function          |
|-----|-------------------|
| 1   | Loopback to pin 6 |
| 2   | Unused            |
| 3   | Tip               |
| 4   | Ring              |
| 5   | Unused            |
| 6   | Loopback to pin 1 |

# Cabling Specifications

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

- Straight-through cables
- Crossover cables

This section also provides information on the maximum cable distance that may be used in connecting equipment to the router.

## 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 above |

## Maximum Cable Distances

[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 and telephone cables | 328 ft (100 m)   |