



# Technical Specifications

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The following sections describe the technical specifications for the Cisco IP Phone 7970 Series.

- [Physical and Operating Environment Specifications, page C-1](#)
- [Cable Specifications, page C-2](#)
- [Network and Access Port Pinouts, page C-2](#)

## Physical and Operating Environment Specifications

[Table C-1](#) shows the physical and operating environment specifications for the Cisco IP Phone models 7970 Series.

**Table C-1** *Physical and Operating Specifications*

Specification	Value or Range
Operating temperature	32° to 104°F (0° to 40°C)
Operating relative humidity	10% to 95% (non-condensing)
Storage temperature	14° to 140°F (−10° to 60°C)
Height	9.07 in. (23.03 cm)
Width	10.82 in. (27.48 cm)

**Table C-1 Physical and Operating Specifications (continued)**

Specification	Value or Range
Depth	<ul style="list-style-type: none"> <li>2.54 in. (6.45 cm)—with footstand fully closed</li> <li>6.0 in. (15.24 cm)—with footstand fully open</li> <li>3.54 in. (9.00 cm)—with optional wall mount kit</li> </ul>
Weight	3.25 lb (1.47 kg)
Power	<ul style="list-style-type: none"> <li>100-240 VAC, 50-60 Hz, 0.5 A—when using the AC adapter</li> <li>48 VDC, 0.38 A—when using the in-line power over the network cable</li> </ul>
Cables	Two (2) pair of Category 3 for 10-Mbps cables Two (2) pair of Category 5 for 100-Mbps or 1000-Mbps cables
Distance Requirements	As supported by the Ethernet Specification, it is assumed that most Cisco IP Phones should be within 100m (330 feet) of a phone closet

## Cable Specifications

- RJ-9 jack for handset and headset connection.
- RJ-45 jack for the LAN 10/100BaseT connection (labeled 10/100 SW on the Cisco IP Phone 7970G or 10/100/1000 SW on the Cisco IP Phone 7971G-GE).
- RJ-45 jack for a second 10/100BaseT compliant connection (labeled 10/100 PC on the Cisco IP Phone 7970G or 10/100/1000 PC on the Cisco IP Phone 7971G-GE).
- 48-volt power connector.

## Network and Access Port Pinouts

Although both the network and access ports are used for network connectivity, they serve different purposes and have different port pinouts.

### Network Port Connector

[Table C-2](#) describes the network port connector pinouts.

**Table C-2 Network Port Connector Pinouts**

Pin Number	Function
1	TD+
2	TD-
3	RD+
4	Not used
5	Not used
6	RD-
7	Not used
8	Not used

### Access Port Connector

[Table C-3](#) describes the access port connector pinouts.

**Table C-3 Access Port Connector Pinouts**

Pin Number	Function
1	RD+
2	RD-
3	TD+
4	Not Used
5	Not Used
6	TD-
7	Not Used
8	Not Used

■ Network and Access Port Pinouts