



Technical Specifications

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

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

Physical and Operating Environment Specifications

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

Table D-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 D-1 Physical and Operating Specifications (continued)

Specification	Value or Range
Depth	<ul style="list-style-type: none"> 2.54 in. (6.45 cm)—with footstand fully closed 6.0 in. (15.24 cm)—with footstand fully open 3.54 in. (9.00 cm)—with optional wall mount kit
Weight	3.25 lb (1.47 kg)
Power	<ul style="list-style-type: none"> 100-240 VAC, 50-60 Hz, 0.5 A—when using the AC adapter 48 VDC, 0.38 A—when using the in-line power over the network cable
Cables	Two (2) pair of Category 3 for 10-Mbps cables Two (2) pair of Category 5 for 100-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).
- RJ-45 jack for a second 10/100BaseT compliant connection (labeled 10/100 PC).
- 3.5 mm jack for microphone and speaker connection.
- 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 D-2 describes the network port connector pinouts.

Table D-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 D-3 describes the access port connector pinouts.

Table D-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