



# Technical Specifications

The following sections describe the technical specifications for the Cisco SIP IP phone:

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## Physical and Operating Environment Specifications

The following table lists the physical and operating specifications of the Cisco SIP IP phone.

**Table C-1** Cisco SIP IP Phone Operational and Physical Specifications

| Specification               | Value or Range   |
|-----------------------------|--|
| Operating temperature       | 32 to 104° F (0 to 40° C).   |
| Operating relative humidity | 10 to 95% (noncondensing).   |
| Storage temperature         | 14 to 140° F (–10 to 60° C).   |
| Height                      | 8 in. (20.32 cm).  |
| Width                       | 10.5 in. (26.67 cm).   |
| Depth                       | 6 in. (15.24 cm).  |
| Weight                      | 3.5 lb (1.6 kg).   |
| Power                       | 100 to 240 VAC, 50 to 60 Hz, 0.5 A—when using the AC adapter.<br>48 VDC, 0.2 A—when using the in-line power over the network cable.                        |
| Cables                      | Two (2) pair of Category 3 for 10-Mbps cables.<br>Two (2) pair of Category 5 for 100-Mbps cables.  |
| Distance Requirements       | As supported by the Ethernet Specification, it is assumed that most phones that are deployed in the field will be within 330 ft (100 m) of a phone closet. |

# Cable Specifications

The following cables are required to connect the Cisco SIP IP phone:

- RJ-11 for the handset connection.
- RJ-45 jack for the LAN connection (labeled “10/100 SW”).
- RJ-45 jack for a second 10BASE-T compliant connection (labeled “10/100 PC”).
- 48-volt power connector. The diameter of the center pin in the phone power jack (Switchcraft 712A) is 0.1 in (2.5 mm). The center pin is positive (+) voltage. The miniature power plug required to mate with the power jack on the phone is a Switchcraft 760 or equivalent.

# Regulatory Safety Compliance

The Cisco IP Phone 7960, 7940, and 7910 meet the following regulatory safety and compliance approvals:

- CE Marking
- Safety
  - UL1950
  - CSA C22.2 No. 950
  - EN 60950
  - IEC 60950
  - AS/NZS 3260
  - TS001
- EMC
  - AS/NZS 3548 Class B
  - VCCI Class B
  - FCC (47 CFR) Part 15 Class B
  - EN 55022, Class B
- Telecom
  - IC CS-03
  - FCC (47 CFR) Part 68

[Figure C-1](#) contains the FCC Class B Declaration for the Cisco IP Phone 7960, 7940, 7910, and 7910+SW.

**Figure C-1** FCC Class B Declaration

## Connections Specifications

The Cisco SIP IP phone has two RJ-45 ports that each support 10/100 Mbps half- or full-duplex connections to external devices—the network port and access port. You can use either Category 3 or 5 cabling for 10 Mbps connections, but use Category 5 for 100 Mbps connections. On both the LAN-to-phone port (left RJ-45 port facing the back of the phone) and PC-to-phone port (right port), use full-duplex to avoid collisions. Use the LAN-to-phone port to connect the phone to the network a LAN-to-phone jack. Use the PC-to-phone port to connect a network device, such as a computer, to the phone.

For a diagram identifying the different ports on the back of the Cisco SIP IP phone, see the [“Installing the Cisco SIP IP Phone”](#) section on page 2-2.

