Technical Specifications

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

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)

Table C-1 Cisco SIP IP Phone Operational and Physical Specifications (continued)

Specification	Value or Range
Width	10.5 in. (26.67 cm)
Depth	6 in. (15.24 cm)
Weight	3.5 lb (1.6 kg)
Power	100-240 VAC, 50-60 Hz, 0.5 A—when using the AC adaptor 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 Two (2) pair of Category 5 for 100 Mbps cables
Distance Requirements	As supported by the Ethernet Specification, it is assumed that most sets that are deployed in the field will be within 100 m (330 ft.) 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 .1 inches (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 models 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 (47CFR) Part 15 Class B
  - EN 55022, Class B
- Telecom
  - IC CS-03
  - FCC (47CFR) 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

DECLARATION OF CONFORMITY

according to ISO/IEC Guide 22

Cisco Systems Inc.
170 West Tasman Drive
San Jose, CA 95134
USA

Declare under our sole responsibility that the product(s):

Cisco IP Phone 7960, 7940, 7910, 7910+SW

To which this declaration relates, is in conformity with the following standards and/or other normative documents.

EMC 47 CFR Part 15, Oct. 1997 Class B

Date of Issue: 21 August, 2000

Signature: Semyon. Grozman

Semyon Grozman
Regulatory Compliance Manager
Enterprise Line of Business

Additional information:
EMC Test Report: ENG-55825

DofC 76598
Revision 1

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 Mpbs 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 “Connecting the Phone” section on page 2-16.