



# Technical Specifications

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This appendix provides physical and operating environment and cable technical specifications for the Cisco SIP IP phones. This appendix also provides the connection specifications of your 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*

<b>Specification</b>	<b>Value or Range</b>
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)

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

<b>Specification</b>	<b>Value or Range</b>
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
Regulatory	UL1950 CSAC22.2 No. 950 AS/NZS 3548 Class B VCCI Class B EN 60950 FCC Part 15 Class B EN 55022, Class B FCC Part 68 CE Marking IC CS-03 IEC 60950 AS/NZS 3260 TS001
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.

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

