Technical Specifications

The following sections describe the technical specifications for the Cisco Unified IP Phone 6901 and 6911.

Physical and Operating Environment Specifications

Table C-1 shows the physical and operating environment specifications for the Cisco Unified IP Phone 6901.

Table C-1   Physical and Operating Environment Specifications for the Cisco Unified IP Phone 6901

Specification	Value or Range
Operating temperature	23° to 113°F (-5° to 45°C)
Operating relative humidity	10% to 90% (non-condensing)
Storage temperature	-13° to 158°F (–25° to 70°C)
Height	8.1 in. (20.5 cm)
Width	3.7 in. (9.4 cm)
Depth	• 2.12 in. (5.4 cm)—With footstand closed • 3.42 in. (8.7 cm)—With footstand open
Weight	• 1.37 lb (621.2 g)—Black handset phone (Europe) • 1.37 lb (662 g)—White handset phone (Europe) • 1.44 lb (655.2 g)—Black handset phone (North America) • 1.53 lb (695 g)—White handset phone (North America)
Power	• 100-240 VAC, 50-60 Hz, 0.5 A—When using the AC adapter • 48 VDC, 0.2 A—When using the in-line power over the network cable

Table C-1   Physical and Operating Environment Specifications for the Cisco Unified IP Phone 6901 (continued)

Specification	Value or Range
Cables	Category 3/5/5e for 10-Mbps cables with four pairs Category 5/5e for 100-Mbps cables with four pairs **Note** Cables have four pairs of wires for a total of eight conductors.
Distance Requirements	As supported by the Ethernet Specification, it is assumed that the maximum cable length between each Cisco Unified IP Phone and the switch is 100 meters (330 feet).

Table C-2 shows the physical and operating environment specifications for the Cisco Unified IP Phone 6911.

Table C-2   Physical and Operating Environment Specifications for the Cisco Unified IP Phone 6911

Specification	Value or Range
Operating temperature	23° to 113°F (-5° to 45°C)
Operating relative humidity	10% to 90% (non-condensing)
Storage temperature	-13° to 158°F (–25° to 70°C)
Height	8.07 in. (20.5 cm)
Width	7.4 in. (18.8 cm)
Depth	5.76 in. (14.64 cm)—Excluding the handset
Weight	• 1.53 lb (697 g)—Black handset phone • 1.65 lb (750.3 g)—White handset phone
Power	• 100-240 VAC, 50-60 Hz, 0.5 A—When using the AC adapter • 48 VDC, 0.2 A—When using the in-line power over the network cable
Cables	Category 3/5/5e for 10-Mbps cables with 4 pairs Category 5/5e for 100-Mbps cables with 4 pairs **Note** Cables have 4 pairs of wires for a total of 8 conductors.
Distance Requirements	As supported by the Ethernet Specification, it is assumed that the maximum cable length between each Cisco Unified IP Phone and the switch is 100 meters (330 feet).

Cable Specifications

- RJ-9 jack (4-conductor) for handset connection.
- RJ-45 jack for the LAN 10/100BaseT connection (labeled 10/100 SW on the Cisco Unified IP Phone 6901 and 6911).
- RJ-45 jack for a second 10/100BaseT compliant connection (labeled 10/100 PC on the Cisco Unified IP Phone 6911).
- 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.

- The network port is labeled `network` on the Cisco Unified IP Phone.

- The access port is labeled `Computer` on the Cisco Unified IP Phone (Cisco Unified IP Phone 6911 only).

Network Port Connector

Table C-3 describes the network port connector pinouts.

Table C-3   Network Port Connector Pinouts

Pin Number	Function
1	BI_DA+
2	BI_DA-
3	BI_DB+
4	BI_DC+
5	BI_DC-
6	BI_DB-
7	BI_DD+
8	BI_DD-

Note   "BI" stands for bi-directional, while DA, DB, DC and DD stand for "Data A", "Data B", "Data C" and "Data D", respectively.

Access Port Connector

Table C-4 describes the access port connector pinouts.

Table C-4   Access Port Connector Pinouts

Pin Number	Function
1	BI_DB+
2	BI_DB-
3	BI_DA+
4	BI_DD+
5	BI_DD-
6	BI_DA-
7	BI_DC+
8	BI_DC-

Note   "BI" stands for bi-directional, while DA, DB, DC and DD stand for "Data A", "Data B", "Data C" and "Data D", respectively.

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OL-24582-01