



APPENDIX **D**

Technical Specifications

The following sections describe the technical specifications for the Cisco Unified IP Phone 7961G/7961G-GE and 7941G/7941G-GE.

- [Physical and Operating Environment Specifications, page D-1](#)
- [Cable Specifications, page D-2](#)
- [Network and Access Port Pinouts, page D-3](#)

Physical and Operating Environment Specifications

[Table D-1](#) shows the physical and operating environment specifications for the Cisco Unified IP Phone 7961G/7961G-GE and 7941G/7941G-GE.

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

Specification	Value or Range
Power options	<ul style="list-style-type: none"> The phone can receive power from IEEE 802.3af-compliant data switches (Class III) The phone can be powered locally with a power adapter (Cisco part number CP-PWR-CUBE-3=) and the appropriate power cord (power requirements for the power adapter: 100-240 VAC, 50-60 Hz, 0.5 A)
Cables	Category 3/5/5e for 10-Mbps cables with 4 pairs Category 5/5e for 100-Mbps cables with 4 pairs Category 5e/6 for 1000-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 and headset connection.
- RJ-45 jack for the LAN 10/100BaseT connection (labeled 10/100 SW on the Cisco Unified IP Phone 7961G and 7941G; labeled 10/100/1000 SW on the Cisco Unified IP Phone 7961G-GE and 7941G-GE).
- RJ-45 jack for a second 10/100BaseT compliant connection (labeled 10/100 PC on the Cisco Unified IP Phone 7961G and 7941G; labeled 10/100/1000 PC on the Cisco Unified IP Phone 7961G-GE and 7941G-GE).
- 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	BI_DA+
2	BI_DA-
3	BI_DB+
4	BI_DC+
5	5BI_DC-
6	6BI_DB-
7	7BI_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 D-3](#) describes the access port connector pinouts.

Table D-3 *Access Port Connector Pinouts*

Pin Number	Function
1	BI_DB+
2	BI_DB-
3	BI_DA+
4	BI_DD+
5	5BI_DD-

Table D-3 Access Port Connector Pinouts (continued)

Pin Number	Function
6	6BI_DA-
7	7BI_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.