CISCO SYSTEMS

Cisco **IP** Phone **7910**
and **7910+SW**

(+SW model includes a two-port 10/100 BaseT Ethernet switch)

The second-generation Cisco IP Phone 7910 and 7910+SW bring state-of-the-art technology to voice communication solutions. Cisco Systems, the worldwide leader in networking for the Internet, now delivers new opportunities for rapid deployment of classic and New World voice applications with high-quality voice instruments that use IP transport technology. This allows the consolidation of data and voice into a single network infrastructure, including a single cable plant; a single switched Ethernet fabric for campus or branch offices; and unified systems for operations, administration, and management (OAM) for data and voice.

The Cisco 7910 and 7910+SW are basic telephones primarily for common-use areas that require only basic features, such as lobbies, break rooms, and hallways. The Cisco 7910+SW includes a Cisco two-port switch making it suitable for worker applications where basic phone functionality and a co-located Ethernet device such as a PC are desired.

This single-line phone also provides four dedicated feature buttons, line, hold, transfer, and settings, located prominently under the display. A cluster of six feature access keys is located above the volume control rocker switch. The factory default configuration for messages (*msgs*), conference (*conf*), forward, speed dial (*speed 1, speed 2*), and redial can be programmed by a system administrator to perform other functions,

such as Call Park, Call Pick-Up, and Night Service, as well as additional speed dials and other traditional telephone features.

Figure 1 Cisco IP Phone 7910 and 7910+SW

The Cisco 7910: Basic IP Phone Functionality

The Cisco 7910 also provides a pixel-based, 2x24 LCD display. The display provides features such as date and time, calling party name, calling party number, and digits dialed, as well as call state indicators, a settings menu, and other information.

This low-end phone does not include speakerphone capability but features on-hook dialing and call monitor mode. The phone also has a mute button for the handset and headset microphones. A rocker switch for controlling volume for ringer, handset, and call monitor is also provided. The user can lock these volumes by pressing the Settings key followed by the Save key. Users can also select two ringer types and set the LCD contrast using the volume buttons.

The Cisco IP Phone 7910 plugs into a standard RJ-45 Ethernet connection. An additional feature of the Cisco 7910+SW is the Cisco two-port switch with 10/100BaseT interface. This provides single RJ-45 connection at the desktop for the phone and an additional LAN device such as a PC.

The footstand of the Cisco 7910 is adjustable from flat to 60 degrees to provide optimum viewing of the display and comfortable use of all buttons and keys.

Service and Support

Cisco AVVID (Architecture for Voice, Video and Integrated Data) support solutions are designed for one purpose—to ensure customer success by delivering a suite of proactive services. The award-winning Cisco internetworking service and support offerings provide presales network audit planning, design consulting, network implementation, operational support, and network optimization. Cisco interactive knowledge-transfer solutions enhance customer success by leveraging Cisco expertise and experience. By including service and support when purchasing Cisco AVVID products, customers can confidently deploy AVVID networks using Cisco expertise, experience, and resources.

Technical Specifications

- Hearing-aid-compatible (HAC) handset with ADA-compliant volume
- G.711 and G.729a audio compression
- H.323 and Microsoft NetMeeting compatibility
- Both Dynamic Host Configuration Protocol (DHCP) and Boot P are supported
- DHCP automatically assigns IP addresses to devices when the phone is plugged in
- Comfort noise generation and voice activity detection (VAD) programming on a system basis

The 7910 and 7910+SW phone firmware receive updates from system downloads. The Cisco IP Phone series is a standards-based communication appliance. The Cisco IP Phone can interoperate with IP telephony systems based on Cisco CallManager technology, H.323, or Session Initiative Protocol (SIP) and (in the future), Media Gateway Control Protocol (MGCP), with simple software (firmware) updates. This multiprotocol capability is an industry first and provides investment protection and migration capability.

For CallManager operation, version 3.0(5) or higher is required.

Physical Specifications

- Dimensions: 8^1 x 10.1/2 x 6 in. (20.32 x 26.67 x 15.24 cm) (H x W x D)
- Weight: 2.2 lb (1.0 kg)
- Polycarbonate acrylonitrile butadiene styerene (ABS) plastic in textured dark gray
- 7910 has one standard 10BaseT RJ-45 interface. The 7910+SW has two standard 10/100 BaseT RJ-45 jacks.
- 48 VDC required; can be provided down the LAN using Cisco Discovery Protocol (CDP), or can be supplied locally at the desktop using an optional AC to DC power supply, CP-PWR-CUBE. This power cube also requires ordering one of the AC country cords below.

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1. The footstand is adjustable from flat to a maximum angle of 60 degrees. In the flat position (for wall mounting), the height of the phone is 4.25 in. In the maximum upright position on a desk, the phone is 8 in.

AC Country Power Cords
- CP-PWR-CORD-NA (North America)
- CP-PWR-CORD-CE (Central Europe)
- CP-PWR-CORD-UK (United Kingdom)
- CP-PWR-CORD-AU (Australia)
- CP-PWR-CORD-JP (Japan)
- CP-PWR-CORD-AP (Asia Pacific)

Temperature
- Operating temperature: 32 to 104 F (0 to 40 C)
- Relative humidity: 10% to 95% (noncondensing)
- Storage temperature: 14 to 140 F (–10 to 60 C)

Certification

Regulatory Compliance
- CE Marking

Safety
- UL-1950
- EN 60950
- CSA-C22.2 No. 950
- IEC 950
- AS/NZS 3260
- TS 001

Electro Magnetic Coupling
- FCC (CFR 47) Part 15 Class B
- ICES-003 Class B
- EN55022 Class B
- CISPR22 Class B
- AS/NZS 3548 Class B
- VCCI Class B
- EN55024

Telecom
- FCC (CFR47) Part 68 (HAC)
- IC CS-03

Ordering Information

Table 1 Part Numbers

Part Number	Description
CP 7910	Includes Station User License
CP-7910	Spare phone, does not include Station User License
CP-7910+SW	Includes Station User License
CP-7910+SW	Spare phone, does not include Station User License

Cisco standard one-year warranty applies. SMARTnet™ optional service agreement is available.

For More Information on Cisco Products
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