Cisco IP Phone **7905G**

Cisco IP Communications, a comprehensive system of powerful, enterprise-class solutions including IP telephony, unified communications, IP video/audio conferencing, and customer contact, helps organizations realize business gains by improving operational efficiencies, increasing organizational productivity, and enhancing customer satisfaction. Cisco IP Phones—an integral component of the Cisco IP Communications system—provide unmatched levels of integrated business functionality and converged communications that go beyond today's conventional voice systems.

The Cisco IP Phone 7905G is a cost-effective, basic IP phone providing a core set of business features. It is specifically suited for enterprise and service provider applications, and can be deployed in the following end-user environments: enterprises, small and medium-sized businesses (SMB), and small offices, home offices (SOHO). It is also suitable for places where single-line phones are typically installed such as cafeterias, break rooms, lobbies, and manufacturing floors.

The Cisco IP Phone 7905G provides single-line access and four interactive soft keys that guide a user through call features and functions via the pixel-based liquid crystal display (LCD). The graphic capability of the display provides a rich user experience by presenting calling information, intuitive access to features, and language localization in future firmware releases.

The Cisco IP Phone 7905G supports inline power, which allows the phone to receive power over the LAN. This capability gives the network administrator centralized power control, which translates into greater network availability. In addition, XML applications deliver impressive applications and network data to the Cisco IP Phone 7905G display.

Key Features

The Cisco IP Phone 7905G is designed to be easy to use with conveniently placed features.

- Pixel-based display—A pixel-based display provides intuitive access to calling features. Four soft keys dynamically present calling options to the user. The scroll toggle bar allows easy movement through the displayed information.

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- "Menu" key—This key allows users to quickly access information such as call logs and phone settings.
  - The user can retrieve voice-mail messages.
  - The user can display missed calls, outgoing calls that have been placed, and incoming calls that have been received.
  - The user can set various preferences such as ring types and display contrast.
- "Hold" key—This lighted key provides the user a red visual indication that they have placed a call on hold.
- A volume-control toggle provides easy decibel-level adjustments of the handset and ringer.
- A hearing-aid-compatible handset (meets American Disabilities Act [ADA] requirements)
- A single-position foot stand provides optimum display viewing and comfortable use of buttons and keys. The foot stand can be removed to allow wall mounting via mounting holes located on the base of the phone.
- XML Applications can be delivered to the display.

Calling Features

The Cisco IP Phone 7905G is designed to grow with system capabilities. Features will keep pace with new changes via software updates to the phone's flash memory. Examples of currently available features include:

- Single Line/Directory Number (DN)
- Calling name and number display
- Call Waiting
- Call Forward
- Call Transfer
- Three-way calling (conference)
- On-hook dialing, Pre-Dialing, and Off-hook dialing
- Redial
- Call hold
- Call monitor (speaker-only, no microphone)
- "Messages" soft key allows access to voice mail messages
- Four Speed dials configurable at the Call Manager

Network Features

- Cisco Discovery Protocol (CDP)
- IEEE 802.1q (VLAN)
- G.711a, G.711u, G.729ab audio-compression coder-decoders (codecs)
- 10BASE-T Ethernet connection via a RJ-45 interface for LAN connectivity
- Software upgrade supported via Trivial File Transfer Protocol (TFTP) server
- Provisioning of network parameters through Dynamic Host Configuration Protocol (DHCP)
- Voice-activity detection, silence suppression, comfort-noise generation, and error concealment

Protocols Supported

- Compatible with Cisco CallManager 3.3 and above, using the SCCP protocol
- H.323 Version 2
- SIP (RFC 2543)

Physical Specifications

- Dimensions: (H x W x D): 8 x 7 x 6 in. (20.3 x 17.67 x 15.2 cm)
- Phone weight: 1.9 lb (0.9 kg)

Power Supply

- Inline power
- Power can also be supplied locally using an optional AC to 48 VDC power adaptor, CP-PWR-CUBE, which also requires one of the country-specific cords below.
    - 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% (non-condensing)
- Storage temperature: 14 to 140 F (-10 to 60 C)

Certification

Regulatory Compliance

Products bear the CE marking to indicate compliance with the 89/336/EEC (Eurocontrol Experimental Centre) and 73/23/EEC directives, which includes the following safety and Electromagnetic Compatibility (EMC) standards:

Safety

- Underwriters Laboratories (UL) 60950
- Canadian Standards Association (CSA) C22.2 No. 60950
- EN 60950
- IEC 60950
- AS/NZS 3260
- TS 0001

Electromagnetic Compatibility (EMC)

- Federal Communications Commission (FCC) Part 15 (CFR 47) Class B
- ICES-003 Class B
- EN55022 Class B
- CISPR22 Class B
- AS/NZS 3548 Class B
- VCCI Class B
- EN55024
- EN 50082-1
- EN 61000-3-2
- EN 61000-3-3

Telecom

- FCC Part 68 (CFR 47) (hearing-aid-compatible)

Ordering Information

Table 1 Part Numbers

Part Number	Description
CP-7905G	Cisco IP Phone 7905G hardware
SW-CCM-UL-7905	Station User License for Cisco CallManager
SW-SMH-UL-7905	Station User License for SIP or H.323 protocol

Cisco offers a standard one-year warranty. A Cisco SMARTnet™ optional service agreement is available.

Cisco IP Communications Services and Support

Cisco IP Communications services and support reduce the cost, time, and complexity associated with implementing a converged network. Cisco and its partners have designed and deployed some of today's largest and most complex IP Communications networks—which means that they understand how to integrate an IP Communications solution into your network.

Cisco design tools and best practices ensure the solution best fits your business needs from the start, eliminating costly redesigns and downtime. Our proven methods ensure a sound implementation that will deliver the functions and features you expect—on time. Support services include remote network operations, network management tools to administer the converged application and network infrastructure, and technical support services.

Through these services, your organization benefits from the experience gained by Cisco and its partners. Leveraging this valuable experience, you can create and maintain a resilient converged network that will meet your business needs today—and in the future.

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