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Overview

Cisco Unified IP Phone 7945G demonstrates the latest advances in VoIP telephony, including wideband audio support, backlit color display, and an integrated Gigabit Ethernet port. It addresses the needs of transaction-type workers with significant phone traffic and the needs of those working with bandwidth-intensive applications on colocated PCs. This IP phone includes a large, backlit, easy-to-read color display for easy access to communication information, timesaving applications, and features such as date and time, calling party name, calling party number, digits dialed, and presence information. It also accommodates Extensible Markup Language (XML) applications that take advantage of the display. The phone provides direct access to two telephone lines (or combination of lines, speed dials, and direct access to telephony features), four interactive soft keys that guide you through call features and functions, and an intuitive four-way (plus Select key) navigation cluster. A hands-free speakerphone and handset designed for high-fidelity wideband audio are standard, as is a built-in headset connection.

Quick Spec

Figure 1 shows the appearance of CP-7945G.

Table 1 shows the quick spec.

Model	CP-7945G
Dimensions (H x W x D)	8.2 x 10.5 x 6 in. (20.32 x 26.67 x 15.24 cm)
Weight	3.5 lb (1.6 kg)
Phone-Casing Composition	Acrylonitrile butadiene styrene (ABS) plastic in textured dark gray color with silver bezel
Power	Supports IEEE 802.3af PoE (Class 3). 48VDC is required; it can be supplied locally at the desktop using an optional AC-to-DC power supply (part number CP-PWR-CUBE-3=) or power injector (CP-PWR-INJ=). Local power options require a corresponding AC country cord.
Phone Software Requirements	Supported in 8.3(2) and greater

Call Control Compatibility	Supported in Cisco Unified Communications Manager Versions 4.1(3) sr5b, 4.2(3) sr2b, 4.3(1), 5.1.1(b), 5.1(2), 6.0(1) and greater Supported in Cisco Unified Communications Express and SRST Version 4.1
Signaling Protocols	Skinny Client Control Protocol (SCCP) and Session Initiation Protocol (SIP) with Cisco call control

Product Details

Table 2 shows the features of this IP Phone.

Feature	Description/Benefit
Display	5-inch (12.5 cm) graphical TFT color display, 16-bit color depth, 320 x 240 effective pixel resolution, with backlight. Allows for greater flexibility of features and applications, and significantly expands the information viewed when using features such as Services, Information, Messages, and Directory. Display also supports localization requiring double-byte Unicode encoding for fonts.
Wideband Audio	Support for wideband (G.722 codec, adherence to TIA 920), including handset, headset, and speakerphone.
Codec Support	G.711a, G.711μ, G.729a, G.729ab, G.722, and iLBC audio compression codecs are supported.
Speakerphone	Full-duplex speakerphone with acoustic echo cancellation.
Messages Key	Provides direct access to voicemail.
Directories Key	Ready access to missed, received or placed calls (plus intercom history and directories). Incoming messages are identified and categorized on the display, allowing users to quickly and effectively return calls using direct dial-back capability. Corporate directory integrates with the Lightweight Directory Access Protocol Version 3 (LDAP3) standard directory.
Settings Key	Allows user to adjust display brightness, select background images (if available), and select ringer sounds through the User Preference menu. Network Configuration preferences also can be set up (usually by the system administrator). Configuration can be set up either automatically or manually for Dynamic Host Control Protocol (DHCP), Trivial File Transfer Protocol (TFTP), Cisco Unified Communications Manager, and backup Cisco Unified Communications Manager instances. Other available Settings submenus include Device Configuration, Security Configuration, and Model Information.
Services Key	Allows users to quickly access diverse information such as weather, stocks, quote of the day, or any Web-based information using XML.
Help Button	Online Help gives users information about the phone keys, buttons, and features.
Speakerphone, Mute, and Headset Buttons	Speakerphone includes Speaker On/Off, Microphone Mute, and Headset buttons that are lit when active. For added security, the audible dual tone multifrequency (DTMF) tones are masked when the speakerphone mode is used.
Navigation Cluster with `Select' Button	Four-way navigation cluster allows users to scroll vertically and horizontally. At the center of the cluster is a `Select' button that can be used for selection of an in-focus item (for example, to open an underlying menu).
Display Button	Indicates when phone is in power-saving sleep/inactivity mode (button is lit), and can be used to awaken the display. Inactivity period is configured by the system administrator.
Ethernet Switch	Internal 2-port Cisco Ethernet switch allows for a direct connection to a 10/100/1000 BASE-T Ethernet network through an RJ-45 interface with single LAN connectivity for both the phone and a colocated PC. System administrator can designate separate VLANs (802.1Q) for the PC and phone, providing improved security and reliability of voice and data traffic.
Headset Port	Dedicated headset port eliminates the need for a separate headset amplifier and allows the handset to remain in its cradle, making headset use simpler. Both wideband (G.722) and narrowband headsets are supported.
Volume Control	Provides easy decibel-level adjustments for the speakerphone, handset, headset, and ringer. The handset is hearing aid-compatible. Additional volume control gain can be achieved using an inline handset amplifier.

Adjustable Foot-Stand	Stand is adjustable from flat to 60 degrees to provide optimum display viewing and comfortable use of all buttons and keys. The foot-stand is keyed to match standard wall-jack configurations for wall mounting. Optional wall-mount brackets are also offered.
Multiple Ring Tones	More than 24 defined user-selectable ring tones are available. Ring tones may also be personalizes through use of the Cisco Unified Phone Application Suite.
Americans with Disabilities Act (ADA) Features	Handset is hearing aid-compatible and meets Federal Communications Commission (FCC) loudness requirements for the Americans with Disabilities Act (ADA). Section 508 loudness requirements can be achieved using industry-standard inline handset amplifiers such as Walker Equipment W-10 or CE-100 amplifiers. Dial pad is also ADA-compliant.
Quality of Service (QoS) Options	Supports differentiated services code point (DSCP) and 802.1Q/p standards.
Security	Positive device identity through X.509v3 Certificates, digitally signed images, cryptographically secure provisioning, and secure signaling and secure media with AES-128. Cryptography is not enabled by default and may only be enabled through a cryptographically enabled CUCM. The phone also contains an 802.1X supplicant and supports EAPOL pass-through.
Language Support	Built-in support for more than 30 languages (dependent on Cisco Unified Communications Manager version).
Configuration Options	IP address assignment can be statically configured or configured through the DHCP client.

The Accessories

Table 3 shows the optional accessories of this IP phone.

Part Number	Description
CP-LCKNGWALLMOUNT	Locking wall-mounting kit, flat (recommended version)
CP-WALLMOUNTKIT	Nonlocking wall-mounting kit, slanted
CP-LCKNGWALLMNT2	Locking wall-mounting kit, slanted
CP-PWR-CUBE-3	Local power adapter for sites where PoE is not available; refer to Table 6 to select the correct regional power cord. CP-PWR-CUBE-3= is compatible with and can replace CP-PWR-CUBE-2=.
CP-PWR-INJ	Single-port midspan power injector with integrated power supply, specifically designed and tested for use with all Cisco Unified IP Phones. May be used as an alternative to the existing Cisco phone local power adapter (CP-PWR-CUBE-3=), and can support a maximum distance of 100 meters between an unpowered switch and a Cisco Unified IP Phone.
CP-PWR-CORD-AP	Asia Pacific
CP-PWR-CORD-AR	Argentina
CP-PWR-CORD-AU	Australia
CP-PWR-CORD-CE	European Community
CP-PWR-CORD-CN	China
CP-PWR-CORD-JP	Japan
CP-PWR-CORD-NA	North America
CP-PWR-CORD-SW	Switzerland
CP-PWR-CORD-UK	United Kingdom

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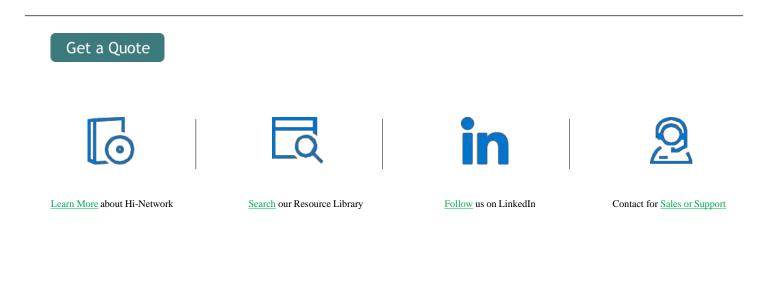
Do you have any question about the CP-7945G?

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Specification

CP-7945G Specification	
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Signaling Protocols	Skinny Client Control Protocol (SCCP) and Session Initiation Protocol (SIP) with Cisco call control
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)

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