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## Overview

The Cisco Unified IP Phone 7942G is designed to grow with your organization and enhancements to your system capabilities. The dynamic feature set allows the phone to keep pace with your requirements through regular software updates. No hands-on moves and changes are required with the phone, you can simply pick up the phone and move to a new location anywhere on your network.

## Quick Specification

Figure 1 shows the appearance of CP-7942G-CCME.



Table 1 show the quick specification.

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 2). Also supports Cisco Prestandard Power over Ethernet (PoE), allowing powering from any of the Cisco Inline Power-capable blades and boxes, plus Cisco midspan. 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 (see Table 6).
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	Skinnny 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
Display	5-inch (12.5 cm), high-resolution (320 x 222), graphical monochrome 4-bit grayscale display. 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 (see Q&A for details).
Codec Support	G.711a, G.711 $\mu$ , G.729a, G.729ab, G.722, and iLBC audio compression codecs are supported (see Q&A for details).
Speakerphone	Full-duplex speakerphone with acoustic echo cancellation.
Messages Key	Provides direct access to voicemail.
Directories Key	Ready access to missed, received, and 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 contrast, 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.
Ethernet Switch	Internal 2-port Cisco Ethernet switch allows for a direct connection to a 10/100BASE-T Ethernet network through an RJ-45 interface with single LAN connectivity for both the phone and a collocated 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 headset 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 headset 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 personalized 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.

Table 3 shows the temperature ratings.

Temperature Variable	Description
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)

## Get More Information

Do you have any question about the CP-7942G-CCME?

Contact us now via [info@hi-network.com](mailto:info@hi-network.com).

## Specification

CP-7942G-CCME Specification	
<b>General</b>	
Product Type	VoIP phone
Body Color	Silver, dark gray
Body Material	ABS plastic
Bundled with	1 x user license for Cisco CallManager Express
<b>Phone Features</b>	
Call Services	Voice Mail, Caller ID, Call Forwarding, Call Transfer, Call Hold
Dialer Type	Keypad
Dialer Location	Base
Conference Call Capability	Yes

Speakerphone	Yes (digital duplex)
Menu Operation	Yes
Function Buttons	Speakerphone button, directory button, navigator key, headset button, mute button
Volume Control	Yes
Ringer Control	Yes
Firmware Upgradable	Yes
Additional Functions	Web browser
Additional Features	On-hook dialing
<b>IP Telephony</b>	
Main Features	Multiple VoIP protocol support, integrated Ethernet switch
VoIP Protocols	SCCP, SIP
Voice Codecs	G.722, G.729a, G.729ab, G.711u, G.711a, iLBC
Quality of Service	IEEE 802.1Q (VLAN), IEEE 802.1p
IP Address Assignment	DHCP, static
Security	128-bit AES
Power Over Ethernet (PoE) Support	Yes
Network Protocols	TFTP
Network Ports Qty	2 x Ethernet 10Base-T/100Base-TX
Voice Features	Echo cancellation (ECN)
Network Features	Class 3 PoE
<b>Display</b>	
Type	LCD display - monochrome
Display Location	Base
Diagonal Size	5
Display Resolution	320 x 222 pixels
Display Information	Date, time
Miscellaneous	
Connections	Headset jack
Hearing Aid Compatible	Yes
Placing / Mounting	Wall-mountable, table-top
<b>Dimensions &amp; Weight (Base)</b>	
Width	10.5 in
Depth	6 in
Height	8 in
Weight	3.5 lbs

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HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: [info@hi-network.com](mailto:info@hi-network.com)

Skype: echo.hinetwork

WhatsApp Business: +8618057156223