

Cisco Unified IP Phone 7906G

The Cisco® Unified IP Phone 7906G fills the communication needs of cubicle, retail, classroom, or manufacturing workers or anyone who conducts low to moderate telephone traffic. Four dynamic soft keys guide users through core business features and functions, while a pixel-based display combines intuitive features, calling information, and eXtensible Markup Language (XML) services into a rich user experience. The Cisco Unified IP Phone 7906G offers numerous important security features plus the choice of IEEE 802.3af Power over Ethernet (PoE), Cisco inline power, or local power through an optional power adaptor (Figure 1).

Figure 1. Cisco Unified IP Phone 7906G



FEATURES

The Cisco Unified IP Phone 7906G is designed to grow with your organization. A dynamic, soft key-activated feature set helps enable the phone to keep pace with your requirements through regular software upgrades. Moves, adds, and changes are easy; users can simply pick up their phones and move to a new location anywhere on the network. The Cisco Unified IP Phone 7906G also provides accessibility features to those with special needs. Tables 1-7 present the features, specifications, and compliance information of the Cisco Unified IP Phone 7906G, Table 8 provides ordering information, and Table 9 lists available optional accessories.

Table 1. Features and Their Descriptions

Feature	Description
Lighted Hold Key	Lights when pressed to put a call on hold and stays lit until the held call has been resumed, or flashes if one call is held while another is engaged; is dark when no calls are on hold
Lighted Menu Key	Lights when pressed to access voicemail messages, call logs, network settings, user preferences, corporate directories, and XML services; stays lit while menu items are active
Lighted Message Waiting Indicator	Lights when there is new voicemail and is visible on both the phone chassis and the handset; stays lit until new voicemail has been processed by the user
Graphical Display	Graphical monochrome display with resolution of 192 x 64 pixels provides a scrollable 3-line intuitive access to calling features and text-based XML applications; the Cisco Unified IP Phone 7906G also supports audio-based XML applications
Four Soft-Key Buttons and a Scroll Toggle Bar	Dynamically presents calling options to the user; the scroll toggle bar allows easy movement through the displayed information
Network Features	Offers Cisco Discovery Protocol; IEEE 802.1 p/q tagging and switching
Volume Control	A volume-control toggle provides easy decibel-level adjustments of the handset, speaker, and ringer
Single-Position Foot Stand	Provides optimum display viewing and comfortable use of buttons and keys; the foot stand can be removed for wall mounting with mounting holes located on the base of the phone
Multiple Ring Tones	Offers more than 24 user-adjustable ring tones
American Disabilities Act (ADA) Features	Hearing-aid-compatible (HAC) handset meets the requirements set by the ADA; it also meets ADA HAC requirements for a magnetic coupling to approved hearing aids; the phone dialing pad also complies with the ADA
Signaling Protocol Support	Supported in Cisco Unified CallManager Versions 3.3(5)SR2, 4.1(3)SR3a, 4.2(1)SR1, and higher using Skinny Client Control Protocol (SCCP); supports both SCCP and Session Initiation Protocol (SIP) with Cisco Unified CallManager Version 5.0(2) and higher
Codec Support	Provides G.711a, G.711 μ , G.729a, and G.729ab and iLBC audio-compression codecs
Configuration Options	Provides provisioning of network parameters through Dynamic Host Configuration Protocol (DHCP)
Voice Quality	Offers comfort-noise generation and voice-activity-detection (VAD) programming on a system basis

Table 2. Security Features

Item	Description
Certificates	Phones are shipped with factory-installed X.509v3 certificates. There is also an option of installing and removing certificates at the customer's site.
Device Authentication and Signaling Encryption	Transport layer security (TLS) with Advanced Encryption Standard (AES)-128 encryption is offered when using Cisco CallManager Version 4.1 or later.
Media Encryption	Secure Real-Time Transport Protocol (SRTP) with AES-128 encryption is offered when using Cisco CallManager Version 4.1 or later.

Table 3. Software and Physical Specifications

Item	Description
Firmware Upgrades	Download firmware changes from Cisco.com
Software Upgrades	Software upgrade supported using a Trivial File Transfer Protocol (TFTP) server
Dimensions (H x W x D)	6.5 x 7 x 6 in. (20.3 x 17.67 x 15.2 cm)
Weight	1.9 lb (0.9 kg)
Phone Casing Composition	Polycarbonate acrylonitrile butadiene styrene (ABS) plastic in textured dark gray with silver-colored bezel

Table 4. Power Options

Item	Description
Cisco Inline Power	Works with Cisco inline power from any Cisco inline power-capable switch
IEEE 802.3af PoE	Works with IEEE 802.3af PoE-compliant blades
Local Power	Can also be powered locally with a power adapter (part number CP-PWR-CUBE-3=) along with one of the power cords listed in Table 5

Table 5. AC Region and County-Specific Power Cords

Part Number	Description
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

Table 6. Temperature Ratings

Item	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)

Table 7. Certifications

Item	Description
Regulatory Compliance	<ul style="list-style-type: none"> • CE Marking
Safety	<ul style="list-style-type: none"> • Underwriters Laboratories (UL) 60950 • Canadian Standards Association (CSA) C22.2 No. 60950 • EN 60950 • IEC 60950 • AS/NZS60950
Electromagnetic Compatibility	<ul style="list-style-type: none"> • Federal Communications Commission (FCC) Part 15 (CFR 47) Class B • ICES-003 Class B • EN55022 Class B • CISPR22 Class B • AS/NZS CISPR 22 Class B • CISPR 24 • VCCI Class B • EN55024 • EN 50082-1 • EN 61000-3-2 • EN 61000-3-3 • EN 61000-6-1
Telecom	<ul style="list-style-type: none"> • FCC Part 68 (CFR47) HAC • Australia <ul style="list-style-type: none"> – AS/ACIF S004 – AS/SCIF S040 • New Zealand <ul style="list-style-type: none"> – PTC 220
Industry Standards	<ul style="list-style-type: none"> • TIA 810A

Table 8. Ordering Information

Part Number	Description
CP-7906G	Phone (license available as a configuration option)
CP-7906G=	Spare phone
CP-7906G-CH1	Part number for tier 2 distributors only

Table 9. Optional Accessories

SKU	Description
CP-HANDBSET=	Spare phone handset
CP-HANDBSET-CORD=	Spare phone handset cord
CP-LCKNGWALLMNT2=	Universal locking wall-mounting kit
CP-PWR-CUBE-3=	Local power adapter for sites where PoE is not available; refer to Table 5 for the right power cord part number for your region

WARRANTY

Cisco IP phones are covered by a Cisco standard 1-year hardware warranty.

CISCO UNIFIED IP COMMUNICATIONS SERVICES AND SUPPORT

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

Cisco design tools and best practices help ensure the solution best fits your business needs from the start, eliminating costly redesigns and downtime. The company’s proven methods help 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. Taking advantage of 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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