

## 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   |
|--|---|
| <b>Lighted Hold Key</b>                              | 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  |
| <b>Lighted Menu Key</b>                              | 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   |
| <b>Lighted Message Waiting Indicator</b>             | 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   |
| <b>Graphical Display</b>                             | 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              |
| <b>Four Soft-Key Buttons and a Scroll Toggle Bar</b> | Dynamically presents calling options to the user; the scroll toggle bar allows easy movement through the displayed information  |
| <b>Network Features</b>                              | Offers Cisco Discovery Protocol; IEEE 802.1 p/q tagging and switching   |
| <b>Volume Control</b>                                | A volume-control toggle provides easy decibel-level adjustments of the handset, speaker, and ringer   |
| <b>Single-Position Foot Stand</b>                    | 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  |
| <b>Multiple Ring Tones</b>                           | Offers more than 24 user-adjustable ring tones  |
| <b>American Disabilities Act (ADA) Features</b>      | 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   |
| <b>Signaling Protocol Support</b>                    | 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 |
| <b>Codec Support</b>                                 | Provides G.711a, G.711 $\mu$ , G.729a, and G.729ab and iLBC audio-compression codecs  |
| <b>Configuration Options</b>                         | Provides provisioning of network parameters through Dynamic Host Configuration Protocol (DHCP)  |
| <b>Voice Quality</b>                                 | Offers comfort-noise generation and voice-activity-detection (VAD) programming on a system basis  |

**Table 2.** Security Features

| Item  | Description   |
|---|---|
| <b>Certificates</b>                                   | Phones are shipped with factory-installed X.509v3 certificates. There is also an option of installing and removing certificates at the customer's site. |
| <b>Device Authentication and Signaling Encryption</b> | Transport layer security (TLS) with Advanced Encryption Standard (AES)-128 encryption is offered when using Cisco CallManager Version 4.1 or later.     |
| <b>Media Encryption</b>                               | 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   |
|---------------------------------|---|
| <b>Firmware Upgrades</b>        | Download firmware changes from Cisco.com  |
| <b>Software Upgrades</b>        | Software upgrade supported using a Trivial File Transfer Protocol (TFTP) server                             |
| <b>Dimensions (H x W x D)</b>   | 6.5 x 7 x 6 in. (20.3 x 17.67 x 15.2 cm)  |
| <b>Weight</b>                   | 1.9 lb (0.9 kg)   |
| <b>Phone Casing Composition</b> | Polycarbonate acrylonitrile butadiene styrene (ABS) plastic in textured dark gray with silver-colored bezel |

**Table 4.** Power Options

| Item                      | Description   |
|---------------------------|---|
| <b>Cisco Inline Power</b> | Works with Cisco inline power from any Cisco inline power-capable switch  |
| <b>IEEE 802.3af PoE</b>   | Works with IEEE 802.3af PoE-compliant blades  |
| <b>Local Power</b>        | 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        |
|------------------------|--------------------|
| <b>CP-PWR-CORD-AP=</b> | Asia Pacific       |
| <b>CP-PWR-CORD-AR=</b> | Argentina          |
| <b>CP-PWR-CORD-AU=</b> | Australia          |
| <b>CP-PWR-CORD-CE=</b> | European Community |
| <b>CP-PWR-CORD-CN=</b> | China              |
| <b>CP-PWR-CORD-JP=</b> | Japan              |
| <b>CP-PWR-CORD-NA=</b> | North America      |
| <b>CP-PWR-CORD-SW=</b> | Switzerland        |
| <b>CP-PWR-CORD-UK=</b> | United Kingdom     |

**Table 6.** Temperature Ratings

| Item                         | Description               |
|------------------------------|---------------------------|
| <b>Operating Temperature</b> | 32 to 104°F (0 to 40°C)   |
| <b>Relative Humidity</b>     | 10 to 95% (noncondensing) |
| <b>Storage Temperature</b>   | 14 to 140°F (-10 to 60°C) |

**Table 7.** Certifications

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

**Table 8.** Ordering Information

| Part Number         | Description   |
|---------------------|---|
| <b>CP-7906G</b>     | Phone (license available as a configuration option) |
| <b>CP-7906G=</b>    | Spare phone   |
| <b>CP-7906G-CH1</b> | 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.

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