Cisco Unified IP Phone 6901

Cisco® Unified Communications Solutions enable collaboration so that organizations can quickly adapt to market changes while increasing productivity; improving competitive advantage through speed and innovation; and delivering a rich-media experience across any workspace, securely and with optimal quality.

Figure 1. Cisco Unified IP Phone 6901

Product Overview

The Cisco Unified IP Phone 6901 is a single-line endpoint delivering cost-effective access to Cisco Unified Communications. Designed with a trimline-like low profile, the Cisco Unified IP Phone 6901 is an ideal solution for lobbies, hallways, elevators, hotel bathrooms, or other settings that have an occasional need for voice communications services.

The Cisco Unified IP Phone 6901 supports two incoming calls with call-waiting service. Fixed feature keys provide one-touch access to Hold, Redial, and Call waiting. Transfer and Conference can be supported by using the hook-switch similar to that of traditional analog phones.

The Cisco Unified IP Phone 6901 offers personalization, with the choice of two colors (charcoal and arctic white) and two handset style options (slimline and standard).

The Cisco Unified IP Phone 6901 is an earth-friendly solution. As with the other Cisco Unified IP Phone 6900 Series endpoints, the Cisco Unified IP Phone 6901 takes advantage of reground and recyclable plastics for a more earth-responsible solution.

Features and Benefits

Table 1 lists features and benefits of the Cisco Unified IP Phone 6901.

Table 1.   Features and Benefits of Cisco Unified IP Phone 6901

Feature	Benefit
Hardware	
Industrial design	• With a trimline, low-profile design, the phone can also be wall-mounted. • The phone offers easy-to-use and intuitive arrangement of lines, keys, and calls. • Hold and Redial options on fixed hard keys provide a traditional telephony-like user experience.
Color options	• Choice of colors: arctic white or charcoal. Handsets are available internationally as slimline or standard. You can mix and match them in the work environment to better meet your employee needs.
Desk and wall mountable	• A foldable footstand makes viewing of and use of the buttons and keys easy in the desk-mount case. • The phones can be mounted onto the wall without additional Cisco Unified IP Phone 6900 wall-mount kits by working with third-party wallphone wallplates, such as Leviton 4108W-xSP wallplates.
Co-branding	• You can include your logo on the Cisco Unified IP Phones 6900 Series endpoints. Cisco has approved third-party vendors to produce the labels. • One small paper label is inserted under the plastic cover at the co-branding area and shipped together with the phone from the factory. You could use this small paper label to document any information needed, because the Cisco Unified IP Phone 6901 does not support a display.
Acoustic Features	
Codec support	• The following audio-compression codecs are supported: encode G.711a, G.711u, G.729a, G.729ab and iLBC, decode G.711a, G.711u, G.729, G.729a, G.729ab and iLBC.
Voice quality	• Comfort-noise generation and voice-activity-detection (VAD) programming is supported on a system basis.
Volume control	• A volume-control toggle makes volume adjustments easy for the handset, monitor speaker, and ringer.
Firmware	
Signaling protocol	• Skinny Client Control Protocol (SCCP) and Session Initiation Protocol (SIP)
Phone firmware requirement	• Supported in Version 9.0(2) and higher
Call-control compatibility	The phones are supported on Cisco Unified Communications Manager and Cisco Unified Communications Manager Business Edition Versions 7.1.3 and later, as well as Cisco Unified Communications Manager Express 8.0 and later.
Calling features	• Adjustable ringing and volume levels • Auto-barge • Call waiting • Conference • Hold • Message-waiting indicator • Music on hold • Redial • Shared line • Transfer
Security features	• Certificates • Image authentication • Device authentication • File authentication • Signaling authentication • Media encryption using Secure Real-Time Transfer Protocol (SRTP) • Signaling encryption using Transport Layer Security (TLS) Protocol • Encrypted configuration files Cryptography is not enabled by default and may only be enabled through a cryptographically enabled CUCM.
Network features	• Cisco Discovery Protocol and Link Layer Discovery Protocol for Media Endpoint Devices (LLDP-MED) • Dynamic network parameters provisioned through Dynamic Host Configuration Protocol (DHCP) • Static network parameters provisioned through Embedded interactive-voice-response (IVR) system
Serviceability	• Embedded web server that provides configuration and statistics • Quality-of-service (QoS) reporting: Jitter, delay, dropped packets, and latency on a per-call basis • Real-Time Control Protocol (RTCP) support and monitoring • Syslog

Licensing

Phone licensing is dependent on the call-control platform and its policies. For Cisco Unified Communications Manager Versions 7.1(3) and 7.1(4), the Cisco Unified IP Phone 6901 requires two device license units (DLU); for Cisco Unified Communications Manager Version 7.1(5) and later, the User Connect License (UCL) fee for basic phones will be applied to the Cisco Unified IP Phone 6901. There are no special license-plus-phone bundles for tier 2 distributors.

The phone is not supported on third-party call-control systems.

Product Specifications

Table 2 lists the specifications for the Cisco Unified IP Phone 6901, and Table 3 lists its certifications.

Table 2. Specifications of Cisco Unified IP Phone 6901

Specification	Description
Physical dimensions (H x W x D)	8.1 x 3.7 x 1.8 in.(205 x 94 x 46 mm)
Weight	Charcoal: Standard: 23.5 oz (655.2g); slimline: 21.9 oz (621.2g) Arctic white: Standard: 24.5 oz (695g); slimline: 23.4 oz (662g)
Phone-casing composition	Polycarbonate acrylonitrile butadiene styrene (ABS) plastic
Operational Temperature	32 to 104℉ (0 ~ 40℃)
Relative Humidity	10 to 95% (noncondensing)
Storage Temperature	14 to 140℉ (-10 to 60℃)
IEEE Power over Ethernet (PoE)	IEEE Power over Ethernet 802.3af supported, Class 1 Maximum power consumption: 2.77 watts Considering Ethernet cable loss and 10% buffer, Cisco Discovery Protocol value setting: 3.11 watts
Local power	48 VDC 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 (refer to Table 6 later in this document).
Language support	Only English supported in IVR system Support for following languages for documentation: Arabic, Bulgarian, Catalan, Chinese (People's Republic of China, Hong Kong, and Taiwan), Croatian, Czech, Danish, Dutch, English—plus localized prompts for the United Kingdom, Estonian, French, Finnish, German, Greek, Hebrew, Hungarian, Italian, Japanese, Korean, Latvian, Lithuanian, Norwegian, Polish, Portuguese (Portugal and Brazil), Romanian, Russian, Spanish (Spain), Slovak, Swedish, Serbian (Republic of Serbia and Republic of Montenegro), Slovenian, Thai, and Turkish
Connectivity	10/100 wired Ethernet network port
Memory	8-MB flash memory; 32-MB synchronous dynamic RAM (SDRAM)

Table 3. Certifications

Regulatory Compliance	CE Marking
Safety	• Underwriters Laboratories (UL) 60950 • Canadian Standards Association (CSA) C22.2 No. 60950 • EN 60950 • IEC 60950 • AS/NZS60950 • TS 001
Electromagnetic compatibility	• 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

Regulatory Compliance	CE Marking
	• EN 61000-3-3 • EN 61000-6-1
Telecom	• FCC Part 68 (CFR47) HAC • TIA 810A
Regulatory compliance	• CE Marking

The phone is shipped with a 150mm CAT5E Ethernet cable.

Warranty Information

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

Ordering Information

To place an order, visit the Cisco Ordering Home Page and refer to tables 4, 5, and 6. To download software, visit the Cisco Software Center.

Table 4. Ordering Information - Phone and License

Product Name	Part Number
Cisco Unified IP Phone 6901, Charcoal, Standard Handset	CP-6901-C-K9=
Cisco Unified IP Phone 6901, Charcoal, Slimline Handset	CP-6901-CL-K9=
Cisco Unified IP Phone 6901, Arctic White, Standard Handset	CP-6901-W-K9=
Cisco Unified IP Phone 6901, Arctic White, Slimline Handset	CP-6901-WL-K9=

Note: All Cisco Unified IP Phones require the purchase of a phone technology license, regardless of call protocol being used.

Table 5. Ordering Information - Spare and Optional Accessories

Product Name	Part Number
Spare Handset for 6900 Series IP Phones, Arctic White, Slimline	CP-6900-LHS-AW=
Spare Handset for 6900 Series IP Phones, Charcoal, Slimline	CP-6900-LHS-CG=
Spare Handset for 6900 Series IP Phones, Arctic White, Standard	CP-6900-MHS-AW=
Spare Handset for 6900 Series IP Phones, Charcoal, Standard	CP-6900-MHS-CG=
Spare Handset Cord, Arctic White	CP-HS-CORD-W=
Spare Handset Cord, Charcoal	CP-HS-CORD-C=

Table 6. Local Power Options: Cube and Regional Cords

Product Name	Part Number
Local power adapter for sites where PoE is not available; refer to following items in this table to select the correct regional power cord. CP-PWR-CUBE-3= is compatible with and can replace CP-PWR-CUBE-2=.	CP-PWR-CUBE-3=
Asia Pacific	CP-PWR-CORD-AP=
Argentina	CP-PWR-CORD-AR=
Australia	CP-PWR-CORD-AU=
European Community	CP-PWR-CORD-CE=
China	CP-PWR-CORD-CN=
Japan	CP-PWR-CORD-JP=
North America	CP-PWR-CORD-NA=
Switzerland	CP-PWR-CORD-SW=
United Kingdom	CP-PWR-CORD-UK=

Cisco Services

Cisco Unified Communications Services and Support

Using the Cisco Lifecycle Services approach, Cisco and our partners offer a broad portfolio of end-to-end services to support the Cisco Unified Communications System. These services are based on proven methodologies for deploying, operating, and optimizing IP communications solutions. Initial planning and design services, for example, can help you meet aggressive deployment schedules and minimize network disruption during implementation. Operate services reduce the risk of communications downtime with expert technical support, and optimize services enhance solution performance for operational excellence. Cisco and our partners offer a system-level service and support approach that can help you create and maintain a resilient, converged network that meets your business needs.

For More Information

For more information about the Cisco Unified IP Phone 6901, visit http://www.cisco.com/go/ipphones/6900 or contact your local Cisco account representative.

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