

## Cisco Unified IP Phone 6945



### Product Overview

The Cisco® Unified IP Phone 6945 is an innovative IP endpoint that delivers affordable, business-grade voice communication and support for video communications services to customers worldwide.

Built upon the features offered by the Cisco Unified IP Phone 6941, this Gigabit Ethernet enhanced business IP phone supports wideband audio handset and headset communications to provide clear voice quality in a business environment. The phone also supports Power-over-Ethernet (PoE) Class 1, which is the lowest-power consumption IP phone to save energy and support your green initiatives.

### Features and Benefits

Tables 1 through 6 give features and other information about the phone, and Table 7 gives ordering information.

**Table 1.** Features and Benefits

Feature	Benefit
<b>Gigabit Ethernet switch</b>	The phone has a 10/100/1000BASE-T Ethernet connection through two RJ-45 ports, one for the LAN connection and the other for connecting a downstream Ethernet device such as a PC.
<b>Wideband audio</b>	The phone supports wideband audio (G.722 codec and adherence to TIA 920) <b>Note:</b> Wideband audio is supported in the handset and headset only, not in the speakerphone.
<b>PoE Class 1</b>	It supports IEEE 802.3af PoE (Class 1); power consumption does not exceed 3.84 watts.
<b>Lighted Hold key</b>	The key lights, when pressed, to put a call on hold, and stays lit until the held call resumes. The key flashes if one call is held while another is engaged. The key is dark when no calls are on hold.

Feature	Benefit
<b>Lighted Menu key</b>	The key lights, when pressed, to access voicemail messages, call logs, network settings, user preferences, corporate directories, and XML services; it stays lit while menu items are active.
<b>Lighted message waiting indicator (MWI)</b>	The key lights when there is new voicemail, and the light is visible on both the phone chassis and the handset; it stays lit until you process your new voicemail.
<b>Deep-Sleep option</b>	You can save power by cycling power - by time of day and day of week.
<b>Co-branding</b>	The Co-Branding button allows you to include your logo on the Cisco Unified IP Phones 6900 Series phones. Cisco has approved third-party vendors to produce the buttons.
<b>Multiple-language support</b>	The following languages are supported: <ul style="list-style-type: none"> <li>• Arabic (Arabic area)</li> <li>• Bulgarian (Bulgaria)</li> <li>• Catalan (Spain)</li> <li>• Chinese (China)</li> <li>• Chinese (Hong Kong and Taiwan)</li> <li>• Croatian (Croatia)</li> <li>• Czech (Czech Republic)</li> <li>• Danish (Denmark)</li> <li>• Dutch (Netherlands)</li> <li>• English (United Kingdom)</li> <li>• Estonian (Estonia)</li> <li>• French (France)</li> <li>• Finnish (Finland)</li> <li>• German (Germany)</li> <li>• Greek (Greece)</li> <li>• Hebrew (Israel)</li> <li>• Hungarian (Hungary)</li> <li>• Italian (Italy)</li> <li>• Japanese (Japan)</li> <li>• Latvian (Latvia)</li> <li>• Lithuanian (Lithuania)</li> <li>• Korean (Korea Republic)</li> <li>• Norwegian (Norway)</li> <li>• Polish (Poland)</li> <li>• Portuguese (Portugal)</li> <li>• Portuguese (Brazil)</li> <li>• Romanian (Romania)</li> <li>• Russian (Russian Federation)</li> <li>• Spanish (Spain)</li> <li>• Slovak (Slovakia)</li> <li>• Swedish (Sweden)</li> <li>• Serbian (Republic of Serbia and Republic of Montenegro)</li> <li>• Slovenian (Slovenia)</li> <li>• Thai (Thailand)</li> <li>• Turkish (Turkey)</li> </ul>
<b>Speakerphone</b>	The full-duplex speakerphone allows for flexibility in placing and receiving calls.
<b>Headset support</b>	An RJ-9 interface to the optional headset offers you additional options for placing and receiving calls.
<b>Graphical display</b>	A white backlit, monochrome, 396 x 162 pixel-based display with an antiglare screen provides scrollable access to calling features and text-based XML applications.
<b>Four soft-key buttons and a scroll toggle bar</b>	Your calling options are dynamically presented; the scroll toggle bar allows easy movement through the displayed information.
<b>Network features</b>	Network features include Cisco Discovery Protocol and IEEE 802.1 p/q tagging and switching.
<b>Volume control</b>	A volume-control toggle provides easy decibel-level adjustments of the handset, monitor speaker, and ringer.

Feature	Benefit
Dual-position foot stand	The display is easy to view and the buttons and keys are easy to use; you can remove the foot stand for wall mounting, with mounting holes located on the base of the phone.
Multiple ring tones	The phone offers seven user-adjustable ring tones.
American Disabilities Act (ADA) features	The 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 ADA standards.
Signaling protocol support	The phones are supported on Cisco Unified Communications Manager and Cisco Unified Communications Manager Business Edition Versions 7.1(2) and later, compatible with both Skinny Client Control Protocol (SCCP) and Session Initiation Protocol (SIP).
Codec support	G.722, G.711a, G.711, G.729a, G.729b, G.729ab, and Internet Low Bitrate Codec (iLBC) audio-compression codecs are supported.
Voice quality	Comfort-noise generation and voice-activity-detection (VAD) programming is provided on a system basis.
Video communications	Video communications requires Cisco Unified Video Advantage 2.2 and later and the Cisco VT Camera III.
Security features	<ul style="list-style-type: none"> <li>• Certificates</li> <li>• Image authentication</li> <li>• Device authentication</li> <li>• File authentication</li> <li>• Signaling authentication</li> <li>• Media encryption using Secure Real-Time Transfer Protocol (SRTP)</li> <li>• Signaling encryption using Transport Layer Security (TLS) Protocol</li> <li>• Encrypted configuration files</li> </ul> <p>Cryptography is not enabled by default and may only be enabled through a cryptographically enabled CUCM.</p>

**Table 2.** Software and Physical Specifications

Specification	Description
Firmware upgrades	You can download firmware changes from Cisco.com.
Software upgrades	Software upgrades are supported with a Trivial File Transfer Protocol (TFTP) server.
Dimensions (H x W x D)	6.4 x 7.4 x 8.1 in. (164 x 188 x 205 mm)
Weight	Slimline: 37 oz (1039g); Standard: 39 oz (1102g)
Phone casing composition	Polycarbonate acrylonitrile butadiene styrene (ABS) plastic

**Table 3.** Power Requirements

Power Requirement	Description
IEEE 802.3af PoE	The phones can receive power from IEEE 802.3af-compliant blades.
Local power	The phones can also be powered locally with a power adapter (CP-PWR-CUBE-3=) along with one of the power cords listed in Table 4.

**Table 4.** AC Region- and Country-Specific Power Cords

Part Number	Country
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

Part Number	Country
CP-PWR-CORD-UK=	United Kingdom

Table 5. 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)

Table 6. Certifications

Regulatory Compliance	CE Marking
<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> <li>• TS 001</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>• TIA 810B</li> </ul>
<b>Regulatory compliance</b>	CE Marking

Table 7. Ordering Information

Temperature Variable	Description
Cisco Unified IP Phone 6945, Charcoal, Standard Handset	CP-6945-C-K9=
Cisco Unified IP Phone 6945, Charcoal, Slimline Handset	CP-6945-CL-K9=
Cisco Unified IP Phone 6945, White, Standard Handset	CP-6945-W-K9=
Cisco Unified IP Phone 6945, White, Slimline Handset	CP-6945-WL-K9=
<b>Note:</b> All Cisco Unified IP Phones require the purchase of a phone technology license, regardless of call protocol being used.	
<b>Optional Accessories</b>	
<b>Description</b>	SKU
Arctic White Wideband Light Handset	CP-6900-LHS-AW-WB=
Arctic White Wideband Medium Handset	CP-6900-MHS-AW-WB=
Charcoal Grey Wideband Light Handset	CP-6900-LHS-CG-WB=
Charcoal Grey Wideband Medium Handset	CP-6900-MHS-CG-WB=
Arctic White Handset Cord	CP-HS-CORD-AW=
Charcoal Grey Handset Cord	CP-HS-CORD-CG=
Arctic White Locking Wallmount Kit for 6900 Series	CP-WMK-AW-6900=
Charcoal Locking Wallmount Kit for 6900 Series	CP-WMK-C-6900=

## Warranty Information

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

## 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. 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 6945, visit <http://www.cisco.com/go/ipphones/6900> for Product Home Page or contact your local Cisco account representative.



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