Cisco Unified IP Phone 8945

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.

Product Overview

The Cisco Unified IP Phone 8945 is a new and innovative IP endpoint that delivers affordable, business-grade voice and video communication services to customers worldwide.

The Cisco Unified IP Phone 8945 integrates video communications into the Cisco Unified IP Phones 8900 Series with a built-in, high-quality video (VGA or 640 x 480 pixel) camera up to 30 frames per second, for both endcoding and decoding. The Cisco Unified IP Phone 8945 renders video on its high-resolution, 5-inch diagonal, fully backlit, VGA-quality display.

The phone supports four lines and four context-sensitive soft keys along with a high-definition voice, full-duplex speakerphone for a more productive and more flexible endpoint experience. Fixed keys for hold, transfer, redial, and conference; a tri-color LED line; and feature keys also make the endpoint simpler and easier to use.

The Cisco Unified IP Phone 8945 offers greater personalization with two handset style options. In addition, Bluetooth 2.1 support is delivered for additional freedom using headsets, such as the Jawbone ICON for Cisco Bluetooth Headset. The Cisco Unified IP Phone 8945 supports right-to-left language presentation on its display, addressing the language localization needs of global customers.

The endpoint also comes with an IEEE 10/100/1000 network and PC ports, reducing costs with the ability to consolidate wiring infrastructure at the desktop. With these integrated ports, the multimedia traffic from a co-located PC can be routed through the integrated switch of the phone and then sent back to the closet switch over a single cable-drop.

The Cisco Unified IP Phone 8945 supports a deep-sleep option, offering energy savings with reduced power draw during nonbusiness hours. In addition, the phone employs use of both recyclable and reground plastics for a more earth-responsible solution.

Features and Benefits

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

Table 1.   Features and Benefits

Feature	Benefit
Lighted Menu key	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.
Deep-sleep option	Power savings can be recognized by cycling power by time of day and day of week.
Co-branding	Co-branding allows you to include your logo on the Cisco Unified IP Phone 8945.
Multiple-language support	The following languages are supported with CUCM 8.6: • Arabic (Arabic area) • Bulgarian (Bulgaria) • Catalan (Spain) • Chinese (China) • Chinese (Hong Kong) • Chinese (Taiwan) • Croatian (Croatia) • Czech (Czech Republic) • Danish (Denmark) • Dutch (Netherlands) • English (United Kingdom) - Prompts only • Estonian (Estonia) • French (France) • Finnish (Finland) • German (Germany) • Greek (Greece) • Hebrew (Israel) • Hungarian (Hungary) • Italian (Italy) • Japanese (Japan) • Latvian (Latvia) • Lithuanian (Lithuania) • Korean (Korea Republic) • Norwegian (Norway) • Polish (Poland) • Portuguese (Portugal) • Portuguese (Brazil) • Romanian (Romania) • Russian (Russian Federation) • Spanish (Spain) • Slovak (Slovakia) • Swedish (Sweden) • Serbian (Republic of Serbia) • Serbian (Republic of Montenegro) • Slovenian (Slovenia) • Thai (Thailand) • Turkish (Turkey)
Speakerphone	Full-duplex speakerphone with high-definition voice support for handset, headset and speaker allows for flexibility in placing and receiving calls.
Headset support	A Bluetooth and RJ-9 interface to the optional headset allows you to enjoy additional options for placing and receiving calls.
Lighted message waiting indicator	The handset lights when there is new voicemail, it stays lit until you process your new voicemail.

Feature	Benefit
Graphical display	The phone delivers a 5-inch (10-cm) graphical TFT color display, 24-bit color depth, VGA (640 x 480 effective pixel) resolution, and backlighting. The display also supports localization requiring double-byte Unicode encoding for fonts.
Four soft key buttons and a scroll toggle bar	Your calling options are dynamically present; the scroll toggle bar allows easy movement through the displayed information.
Network features	Network features include LLDP-MED, Cisco Discovery Protocol and IEEE 802.1 p/q tagging and switching.
Ethernet switch	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.
Volume control	A volume-control toggle provides easy decibel-level adjustments of the handset, headset, monitor speaker, and ringer.
Dual-position foot stand	The display is easy to view and the buttons and keys are easy to use.
Multiple ring tones	The phone offers 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 in Cisco Unified Communications Manager and Unified Communications Manager Business Edition Versions 7.1.5 and later using Skinny Client Control Protocol (SCCP). Session Initiation Protocol (SIP). SIP support is targeted for July 2011.
Codec support	G.711a, G.711u, G.729a, G.729ab, G.722, and Internet Low Bitrate (iLBC) audio compression codecs are supported.
Voice quality	Comfort-noise generation (CNG) and voice-activity-detection (VAD) programming is provided on a system basis.

Table 2.   Video Features and Benefits

Specification	Specifications
Video Standards	H.264/AVC (Baseline Profile level 3.0)
Frame Rate	Up to 30 fps
Frame Rate of Video Mute	When video muted, an icon is sent to remote endpoint with lowest bit rate and frame possible
Picture Formats	Supports a minimum of the following picture formats or resolutions: 1. VGA (640x480) @ 30fps 2. W360p (640x360) @ 30fps (SIP version only) 3. CIF (352x288) @ 30fps 4. SIF (352x240) @ 30fps 5. QCIF (176x144) @ 30fps

Table 3.   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)	Cisco Unified IP Phone 8945: 9.25 x 4.49 x 10.24 in. (235 x 114 x 260 mm).
Weight	Cisco Unified IP Phone 8945: 2.80 lb (1.27 kg) Slimline: 2.72 lb (1.235 kg).
Phone casing composition	Polycarbonate acrylonitrile butadiene styerene (ABS) plastic.

Table 4.   Power Requirements

Power Requirement	Description
IEEE 802.3af PoE	The phones can receive power from IEEE 802.3af-compliant blades. The phone is Power over Ethernet (PoE) Class 2.
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 5.   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

Part Number	Country
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

Temperature Variable	Description
Operating temperature	32 to 104ºF (0 to 40ºC)
Relative humidity	10 to 95% (noncondensing)
Storage temperature	14 to 140ºF (-10 to 60ºC)

Table 7.   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 - EN 61000-3-3 - EN 61000-6-1
Telecom	- FCC Part 68 (CFR47) HAC - TIA 810A
Regulatory compliance	CE Marking

Table 8.   Ordering Information

Product Name	Part Number
Cisco Unified IP Phone 8945, Standard Handset	CP-8945-K9=
Cisco Unified IP Phone 8945, Slimline Handset	CP-8945-L-K9=
Note: All Cisco Unified IP Phones require the purchase of a phone technology license, regardless of call protocol being used.	
Optional Accessories	
Description	SKU
Standard Handset	CP-HANDSET-STD-C=
Slimline Handset	CP-HANDSET-SLIM-C=
Spare Handset Cord	CP-HS-CORD-C=
Replacement Footstand for 8941/8945	CP-894X-FS=

Warranty

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 8945, visit http://www.cisco.com/go/ipphones/8900 or contact your local Cisco account representative.

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