Cisco IP Phone 8845



Do you need high-fidelity and reliable voice communications? Secure and scalable communications? An entry to HD video? The business-class Cisco® IP Phone 8845 can deliver all this and more.

The Cisco IP Phone 8845 can help you increase personal productivity through powerful and easy-to-use user experiences. It combines an attractive new ergonomic design with 720p HD video and wideband audio for crystal-clear video and voice communications and “always-on” reliability. The 8845 encrypts video and voice communications for security, and offers access to a comprehensive suite of unified communications features.

In addition, Cisco Intelligent Proximity brings the worlds of desk and mobile together for you when you are using your mobile device at the desk for your work. You can move the audio path over to the 8845 during active mobile calls to take advantage of its superior audio acoustics. An example would be to share a conversation with a colleague who listens in. This capability gives you greater flexibility when at your desk.

The Cisco IP Phone 8845 offers five programmable line keys. You can configure keys to support either multiple directory numbers or call features such as speed dial. You can also boost productivity by handling multiple calls for each directory number, using the multicall-per-line feature. Fixed function keys give you one-touch access to applications, messaging, directory, as well as often-used calling features such as hold/resume, transfer, and conference. Backlit acoustic keys provide flexibility for audio path selection and switching.

Other key features of the phone follow:

- The Cisco IP Phone 8845 offers a 5-in. high-resolution (800 x 480) widescreen VGA backlit color display. Localized language support, including right-to-left on-screen text, meets the needs of global users.
- 720p HD two-way video (encode and decode).
- The phone supports a built-in Gigabit Ethernet switch for your PC connection.
- An optional wall-mount kit is orderable as a spare part for customers who want this capability.

© 2015 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Features and Benefits

Table 1 lists features and benefits of the IP Phone 8845.

Table 1. Features and Benefits

Features	Benefits
Hardware Features	
Ergonomic design	• The phone offers an easy-to-use interface and provides a traditional telephony-like user experience
Graphical display	• The 800 × 480, 24-bit color, 5-in. WVGA display provides scrollable access to calling features and text-based XML applications
Video	• 720p HD video (encode and decode) • H.264/AVC
Handset	• The handset is a standard wideband-capable audio handset (connects through an RJ-9 port) • The standard coiled cord has a custom end for concealed cable routing beneath the phone (cord length is approximately 21 in. [55 cm] coiled and up to 72 in. (183 cm) extended) • The handset is hearing aid-compatible (HAC) and meets Federal Communications Commission (FCC) loudness requirements for the Americans with Disabilities Act (ADA). You can achieve Section 508 loudness requirements with industry-standard inline handset amplifiers such as Walker Equipment W-10 or CE-100 amplifiers. The dial pad is also ADA-compliant
Speaker phone	• A full-duplex speakerphone gives you flexibility in placing and receiving calls with hands free. For added security, the audible dual tone multifrequency (DTMF) tones are masked when the speakerphone mode is used.
Analog headset	• The analog headset jack is a standard wideband-capable RJ-9 audio port
AUX port	• You can use an auxiliary port to support electronic hookswitch control with a third-party headset connected to it
Ethernet switch	• An internal 2-port Cisco Ethernet switch allows for a direct connection to a 10/100/1000BASE-T Ethernet network (IEEE 802.3i/802.3u/802.3ab) through an RJ-45 interface with single LAN connectivity for both the phone and a co-located PC • The system administrator can designate separate VLANs (IEEE 802.1Q) for the PC and phone, providing improved security and reliability of voice and data traffic
Bluetooth	• Bluetooth 4.1 LE, Enhanced Data Rate (EDR) Class 1 technology (up to 66-ft [20m] range) is supported • Hands-Free Profile (HFP) is supported for untethered headset connections and voice communications • Phone Book Access Profile (PBAP) is supported for phone book object exchange between devices
Keys	• The phone has the following keys: ◦ Line keys ◦ Soft keys ◦ Back and release keys ◦ Four-way navigation and select keys ◦ Hold/Resume, Transfer, and Conference keys ◦ Messaging, Application, and Directory keys ◦ Standard keypad ◦ Volume-control toggle key ◦ Speakerphone, headset, and mute keys
Backlit indicator	• The phone supports backlit indicators for the audio path keys (Handset, Headset, and Speakerphone), select key, line keys, and message waiting
Replaceable bezel	• The phone includes a black bezel; an optional silver bezel is also orderable separately
Dual-position foot stand	• The display is easy-to-view and the buttons and keys are easy-to-use. The two-position foot stand supports viewing angles of 35 and 50 degrees; you can remove the foot stand for wall mounting, with mounting holes located on the base of the phone
Wall-mountable	• You can install the phone on a wall using an optional wall-mount kit (orderable separately)
Physical security	• The phone is compatible with the Kensington Security Slot (K-Slot) antitheft system

© 2015 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Features	Benefits
Power Features	
IEEE Power over Ethernet (PoE)	• PoE on the phone is IEEE Power over Ethernet class 2. The phone is compatible with both IEEE 802.3af and 802.3at switch blades and supports both Cisco Discovery Protocol and Link Layer Discovery Protocol - Power over Ethernet (LLDP-PoE)
Cisco IP Phone Power Cube 4	• This optional power cube is used as an AC-to-DC (48V) power supply for non-PoE deployments. Use of the power cube 4 also requires the use of one of the corresponding AC country cords
Call-Control Support	
Cisco Unified Communications Manager	• 8.5.1 (non-secured mode only) • 8.6.2 • 9.1.2 • 10.5.2 • 11.0 and later
Cisco Unified Communications Manager Express (Unified CME)	• Planned to be supported 11.5
Cisco Business Edition 6000 (BE 6000)	• 8.6.2 • 9.1.2 • 10.5.2 • 11.0 and later
Cisco Hosted Collaboration Solution (HCS)	• 8.6.2 and later (using supported UCM versions listed previously)

Licensing

The IP Phone 8845 requires an Enhanced User Connect License (UCL) in order to connect to Cisco Unified Communications Manager.

Product Specifications

Table 2 lists the features and specifications of the 8845.

Table 2. Features and Specifications

Features	Specifications
Audio codec support	• G.711a-law and mu-law, G.722, G.729a, Internet Low Bitrate Codec (iLBC), and Internet Speech Audio Codec (iSAC)
Call features	• + Dialing • Abbreviated dialing • Adjustable ring tones and volume levels • Adjustable display brightness • Agent greeting • Application launch pad • Auto-answer • Auto-detection of headset • cBarge • Busy Lamp Field (BLF) • BLF Pickup • BLF speed dial • Callback • Call forward • Call forward notification • Call filter • Call history lists • Call park • Call pickup • Call timer

© 2015 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Features	Specifications
	• Call waiting • Call chaperone • Caller ID • Corporate directory • Conference, including traditional Join feature • Cross-Cluster Extension Mobility (EMCC) • Direct transfer • Extension mobility • Fast-dial service • Forced access codes and client matter codes • Group call pickup • Hold • Intercom • Immediate divert • Malicious-caller ID • Message-waiting indicator (MWI) • Meet-me conference • Mobility • Music on hold (MoH) • Mute • Network profiles (automatic) • On- and off-network distinctive ringing • Personal directory • PickUp • Predialing before sending • Privacy • Private Line Automated Ringdown (PLAR) • Redial • Ring tone per line appearance • Service Uniform Resource Locator (URL) • Shared line • Silent monitoring and recording • Speed dial • Time and date display • Transfer • Uniform Resource Identifier (URI) dialing • Visual Voicemail • Voicemail • Whisper coaching
Mobility and remote access	You can deploy the phones remotely with the following two options: • You can have your phone remotely registered to the on-premises network through a built-in VPN client if the administrator has provisioned this VPN feature • You also can directly connect to the on-premises network without VPN through Cisco Expressway if you are provided with log-in credentials. Contact your system administrator
Electronic hookswitch	• You can control the hookswitch electronically with a third-party headset connected to the auxiliary port.
Cisco Intelligent Proximity	• Audio path moving sends audio through the IP Phone 8861 for a mobile device-connected call • Call-history synchronization allows you to view placed and missed calls of your mobile device from the IP Phone 8845 • Contact synchronization allows you to synchronize the contact objects from your mobile device to your 8845
Quality-of-service (QoS) options	• The phone supports Cisco Discovery Protocol and 802.1Q/p standards, and you can configure it with an 801.1Q VLAN header containing the VLAN ID overrides configured by the Admin VLAN ID

© 2015 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Features	Specifications
Network features	• Session Initiation Protocol (SIP) for signaling • Session Description Protocol (SDP) • IPv4 and IPv6 • User Datagram Protocol (UDP) (used only for Real-Time Transport Protocol [RTP] streams) • Dynamic Host Configuration Protocol (DHCP) client or static configuration • Gratuitous Address Resolution Protocol (GARP) • Domain Name System (DNS) • Trivial File Transfer Protocol (TFTP) • Secure HTTP (HTTPS) • VLAN • Real-Time Transport Protocol (RTP) • Real-Time Control Protocol (RTCP) • Cisco Peer-to-Peer Distribution Protocol (PPDP) • Cisco Discovery Protocol • LLDP (including LLDP Media Endpoint Discovery [LLDP-MED]) • Switch speed auto-negotiation
Security features	• Secure boot • Secure credential storage • Device authentication • Configuration file authentication and encryption • Image authentication • Random bit generation • Hardware cryptographic acceleration • Certificate Authority Proxy Function (CAPF) • Manufacturer-Installed Certificates (MIC) • Locally Significant Certificates (LSC) • Ethernet 802.1x supplicant options: Extensible Authentication Protocol-Flexible Authentication via Secure Tunneling (EAP-FAST) and Extensible Authentication Protocol-Transport Layer Security (EAP-TLS) • Signaling authentication and encryption using TLS • Media authentication and encryption using SRTP • HTTPS for client and server • Secure Shell (SSH) Protocol server • SSL-based VPN client
Physical dimensions (H × W × D)	• 9.01 x 10.13 x 3.87 in. (228.78 x 257.34 x 98.39 mm) (excluding foot stand)
Weight (with handset)	• 2.97 lb (1.35 kg)
Phone-casing composition	• Polycarbonate acrylonitrile butadiene styrene (ABS) textured plastic; Cosmetic class A
Operating temperature	• 32 to 104°F (0 to 40°C)
Nonoperating temperature shock	• 14 to 140°F (-10 to 60°C)
Humidity	• Operating 10 to 90%, noncondensing • Nonoperating 10 to 95%, noncondensing
Language support	• 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) • Estonian (Estonia) • French (France)

© 2015 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Features	Specifications
	• French (Canada) • 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 (Columbia) • Spanish (Spain) • Slovak (Slovakia) • Swedish (Sweden) • Serbian (Republic of Serbia) • Serbian (Republic of Montenegro) • Slovenian (Slovenia) • Thai (Thailand) • Turkish (Turkey)
Certification and compliance	• Regulatory compliance ◦ CE Markings per directives 2004/108/EC and 2006/95/EC • Safety ◦ UL 60950 Second Edition ◦ CAN/CSA-C22.2 No. 60950 Second Edition ◦ EN 60950 Second Edition (including A11 and A12) ◦ IEC 60950 Second Edition (including A11 and A12) ◦ AS/NZS 60950 ◦ GB4943 • EMC - Emissions ◦ 47CFR Part 15 (CFR 47) Class B ◦ AS/NZS CISPR22 Class B ◦ CISPR22: 2005 w/Amendment 1: 2005 Class B ◦ EN55022: 2006 w/Amendment 1: 2007 Class B ◦ ICES003 Class B ◦ VCCI Class B ◦ EN61000-3-2 ◦ EN61000-3-3 ◦ KN22 Class B • EMC - Immunity ◦ EN55024 ◦ CISPR24 ◦ EN60601-1-2 ◦ KN24 ◦ Armadillo Light • Telecom ◦ FCC Part 68 HAC ◦ CS-03-HAC ◦ AS/ACIF S004 ◦ AS/ACIF S040

© 2015 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Features	Specifications
	◦ NZ PTC 220 ◦ Industry standards: TIA 810 and TIA 920 ◦ Industry standards: IEEE 802.3 Ethernet and IEEE 802.3af and 802.3at ◦ Korea (RRA Public Notification 2010-36, Nov. 1, 2010) ◦ Korea (RRA Announce 2011-2, Feb. 28, 2011) • Radio ◦ FCC Part 2.1093 (BT RF Exposure TR) ◦ RSS-102 (BT RF Exposure TR) ◦ RSS-210 ◦ EN 300.328 ◦ EN50385 (BT RF Exposure TR) ◦ EN 301-489-1 ◦ EN 301-489-17 ◦ NCC LP0002 ◦ Korea (RRL No. 2006-128, RRL No. 2006-129) • Japan Bluetooth GFSK/EDR

Product Specifications

Table 3 gives ordering information for the phone and its accessories.

Table 3. Ordering Information

Product Number	Description
CP-8845-K9=	Cisco IP Phone 8845, Charcoal
CP-8845-W-K9=	Cisco IP Phone 8845, White
CP-DX-HS=	Spare Handset for Cisco 7800, 8800, DX600 Series, Charcoal
CP-DX-CORD=	Spare Handset Cord for Cisco 8800, DX600 Series, Charcoal
CP-8800-VID-WMK=	Spare Wallmount Kit for Cisco IP Phone 8800 Video Series
CP-8800-FS=	Spare Foot stand for Cisco IP Phone 8800 Series
CP-8800-B-VID-BEZEL=	Spare Black Bezel for Cisco IP Phone 8800 Video Series
CP-8800-S-VID-BEZEL=	Spare Silver Bezel for Cisco IP Phone 8800 Video Series
CP-PWR-CUBE-4	Cisco Power Cube 4
CP-PWR-CORD-AP=	Power Cord Asia Pacific
CP-PWR-CORD-AR=	Power Cord Argentina
CP-PWR-CORD-AU=	Power Cord Australia
CP-PWR-CORD-BZ=	Power cord for Brazil
CP-PWR-CORD-CE=	Power Cord European
CP-PWR-CORD-CN=	Power Cord China
CP-PWR-CORD-JP=	Power Cord Japan
CP-PWR-CORD-NA=	Power Cord North America
CP-PWR-CORD-SW=	Power Cord Switzerland
CP-PWR-CORD-UK=	Power Cord United Kingdom

Warranty

The Cisco IP Phone 8845 phones are covered by a Cisco standard 1-year replacement warranty.

© 2015 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Cisco Unified Communications Services

Cisco and our certified partners can help you set up a secure, dependable Cisco Unified Communications Solution, meeting aggressive deployment schedules and accelerating business advantage. Our portfolio of services is based on proven methodologies for unifying voice, video, data, and mobile applications on fixed and mobile networks.

Our unique lifecycle approach to services defines what's needed at each phase of the solution lifecycle. Customized planning and design services help you create a solution that meets your business needs. Award-winning technical support helps you boost your operational efficiency. Remote management services simplify day-to-day operations. And optimization services let you modify and improve your network solution when business needs change.

Cisco Capital

Financing to Help You Achieve Your Objectives

Cisco Capital can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce CapEx. Accelerate your growth. Optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital is available in more than 100 countries. Learn more.

More Information

For additional details about the Cisco IP Phone 8800 Series, go to http://www.cisco.com/go/ipphones/8800.

Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

Printed in USA C78-734730-04 11/15

© 2015 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.