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Overview

Cisco CP-8851-K9 integrates 5 inches high-resolution widescreen VGA backlit color display. It supports Localized language to meet the needs of global users. Bluetooth 3.0 supports phone book object exchange between devices, two USB ports enhance the usability of call handling by enabling wired or wireless headsets, as well as provide charging capability to mobile devices such as smartphones or tablets. The five programmable line keys support multiple directory numbers or calling features.

Quick Specs

Figure 1 shows the appearance of the CP-8851-K9.
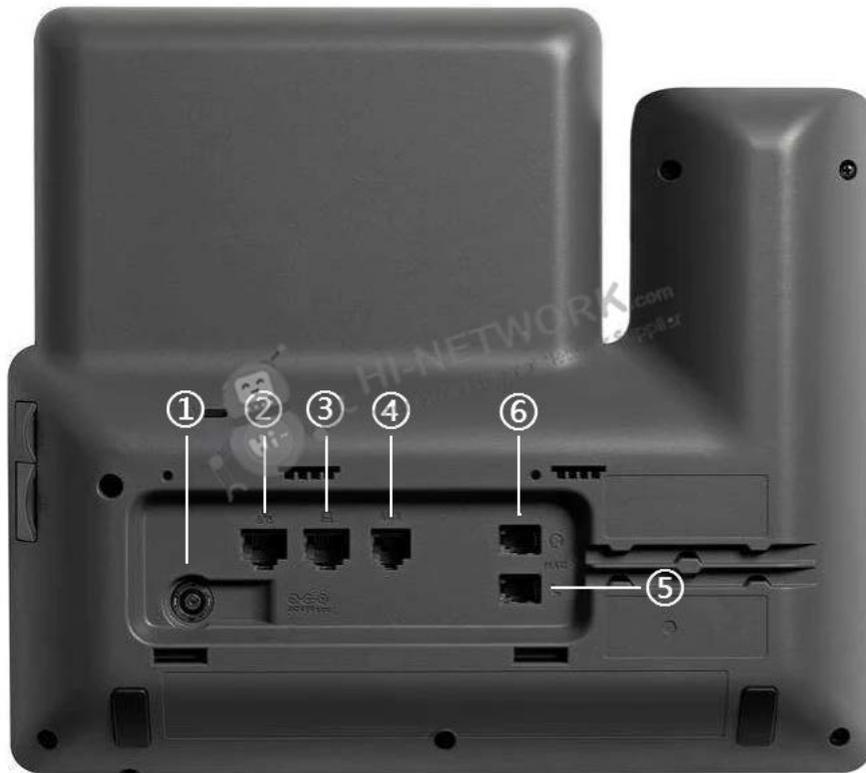

Table 1 shows the Quick Spec.

Model	CP-8851-K9
Display	5" high-resolution (800 x 480) WVGA color display
Ethernet Switch	10/100/1000
Programmable Line Keys	4
Number of Line Keys	5
Full Duplex Speakerphone	Yes
Wideband Audio	Yes
PoE Classification	Class 3
Bluetooth / DECT	Bluetooth
USB (Physical Ports)	2 Ports
KEM (Key Expansion Module)	Two Optional KEM
Third-party Call Control	Yes

Replaceable Bezel	Yes (Black, Silver)
Wall Mountable	Yes

Product Details

Before you use the Cisco IP Phone 8851, it connects to the corporate IP telephony network.

Figure 2 shows the bottom ports of this IP Phone.

Note:

Number	Description
(1)	AC power wall plug (optional)
(2)	Network port (10/100 SW) connection. IEEE 802.3af power enabled.
(3)	Access port (10/100 PC) connection.
(4)	Auxiliary port (optional).
(5)	Handset connection.
(6)	Analog headset connection (optional).
(7)	2 USB ports

Figure 3 shows the buttons and hardware.

Note:

Number	Buttons	Number	Buttons
(1)	Handset light strip	(11)	Mute button
(2)	Programmable feature buttons and Session buttons	(12)	Headset button
(3)	Phone screen	(13)	Keypad
(4)	Softkey buttons	(14)	Volume button
(5)	Navigation cluster and Select button	(15)	Applications button
(6)	Release Button	(16)	Messages button
(7)	Transfer button	(17)	Contacts button
(8)	Hold/Resume button	(18)	Back button
(9)	Conference button	(19)	Handset
(10)	Speakerphone button		

Figure 4 shows key expansion module.

CP-8851-K9 offers up to two optional Key Expansion Modules. The modules should order separately.

Compare to Similar Items

Table 2 shows the comparison of Cisco IP Phone 8811, 8831, 8841 and 8851.

Model	CP-8811-K9	CP-8831-K9	CP-8841-K9	CP-8851-K9
Ethernet Switch	10/100/1000	10/100	10/100/1000	10/100/1000
Programmable Line Keys	4	4	4	4
Number of Line Keys	5	1	5	5
Full Duplex Speakerphone	Yes	Yes	Yes	Yes
Wideband Audio	Yes	Yes	Yes	Yes
PoE Classification	Class 2	Class 3	Class 2	Class 3
Bluetooth / DECT	No	DECT (mics)	No	Bluetooth
Third-party Call Control	Yes	Yes	Yes	Yes
Replaceable Bezel	Yes (Black, Silver)	No	Yes (Black, Silver)	Yes (Black, Silver)
Wall Mountable	Yes	No	Yes	Yes

Get More Information

Do you have any question about the Cisco IP Phone 8851/K9?

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Specification

CP-8851-K9 Specification	
Audio codec support	G.711 a-law and mu-law, G.722, G.729a, Internet Low Bitrate Codec (iLBC), and Internet Speech Audio Codec (iSAC)
Key call features support	+ Dialing Abbreviated dialing Adjustable ring tones and volume levels Adjustable display brightness Agent greeting Auto-answer Auto-detection of headset cBarge Busy Lamp Field (BLF) Busy Lamp Field (BLF) Pickup Busy Lamp Field (BLF) speed dial Callback Call forward Call forward notification Call filter Call history lists Call park Call pickup Call timer 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 voice mail Voice mail Whisper coaching
Electronic hookswitch	You can control the hookswitch electronically with a third-party headset connected to either the USB port or auxiliary port, or directly paired with the phone through bluetooth.
Cisco Intelligent Proximity	Audio path moving sends audio through the IP Phone 8851 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 8851. Contact synchronization allows you to synchronize the contact objects from your mobile device to your IP Phone 8851.

Quality-of- service (QoS) options	The phone supports Cisco Discovery Protocol and 802.1Q/p standards, and can be configured with an 801.1Q VLAN header containing the VLAN ID overrides configured by the Admin VLAN ID.
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 Hypertext Transfer Protocol (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-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 Secure Sockets Later (SSL)-based VPN client
Physical dimensions (H × W × D)	9.02 x 10.13 x 1.57 in. (229.1 x 257.34 x 40 mm) (excluding foot stand)
Weight (with handset)	2.62 lb (1.19 kg)
Phone-casing composition	Polycarbonate acrylonitrile butadiene styrene (ABS) textured plastic; Cosmetic class A
Operational temperature	32 to 104°F (0 to 40°C)
Nonoperational temperature shock	14 to 140°F (-10 to 60°C)
Humidity	Operating 10 to 90%, noncondensing Non-operating 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) 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 & A12)
- IEC 60950 Second Edition (including A11 & 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
- NZ PTC 220
- Industry Standards: TIA 810 and TIA 920
- Industry Standards: IEEE 802.3 Ethernet, IEEE 802.3af and 802.3at
- Korea (RRA Public Notification 2010-36, Nov 01, 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

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HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: info@hi-network.com

Skype: echo.hinetwork

WhatsApp Business: +8618057156223