

Cisco Unified Wireless IP Phone 7920, Version 2.0

The Cisco® Unified Communications system of voice and IP communications products and applications enables organizations to communicate more effectively—enabling them to streamline business processes, reach the right resource the first time and impact the top and bottom line. The Cisco Unified Communications portfolio is an integral part of the Cisco Business Communications Solution—an integrated solution for organizations of all sizes which also includes network infrastructure, security, and network management products, wireless connectivity, and a lifecycle services approach, along with flexible deployment and outsourced management options, end-user and partner financing packages, and third-party communications applications.

The power of the Cisco Unified Communications system extends throughout the enterprise by delivering a powerful converged wireless solution with intelligent wireless infrastructure and an innovative product with the latest version of the Cisco Unified Wireless IP Phone 7920-Version 2.0. The Cisco Unified Wireless IP Phone 7920 is an easy-to-use IEEE 802.11b wireless IP phone that provides comprehensive voice communications in conjunction with Cisco Unified CallManager and Cisco Unified CallManager Express. Increased security and faster roaming, plus extensible Markup Language (XML) applications to the display, are several of the enhancements to the Cisco Unified Wireless IP Phone 7920 Version 2.0.

Figure 1. Cisco Unified Wireless IP Phone 7920, Version 2.0



FEATURES

The Cisco Unified Wireless IP Phone 7920, Version 2.0, provides the latest version of our wireless IP phone for the Cisco Unified Communications system. The Cisco Unified Wireless IP Phone 7920 supports a host of calling features and voice quality enhancements. As the Cisco Unified Wireless IP Phone 7920 is designed to grow with system capabilities, features will keep pace with new system enhancements.

Table 1. Features

Feature	Description
Messages	Direct access to voice mail via Menu Key or Hot Key
Directories	The Cisco Unified Wireless IP Phone 7920, Version 2.0 identifies incoming messages, allowing users to quickly and effectively return calls using direct dial-back capability.
Features	<ul style="list-style-type: none">• 6 multi-line appearance—extensions or speed dials• Calling name and number display• Call waiting• Call forward• Call transfer• Three-way calling (Conference)• Pre-dialing before sending• Redial• Call hold/resume• Call mute• Call park• Call pick-up/group pick-up• “You Have Voice Mail” message on display• Hotkey for keypad lock• Hotkey for voice-mail access• 9 speed dials configurable in the set• Programmable speed-dial hotkeys 2–9• Time/date display• Idle/call state-based soft keys• Keypad lock/vibration icon indicators• RF and battery level indication• Comfort noise generation (CNG), voice activity detection (VAD), adaptive jitter buffer, and echo cancellation• Language support: English, French, German in the first release• Local phone book
Keys	<ul style="list-style-type: none">• 2 Soft Keys to access screen-based applications, features and functions• Hold• Mute• Menu• Four-way rocker for display access• Volume control• Send and End/Power key
Display	<ul style="list-style-type: none">• 128 X 80 pixel-graphical display• Backlit

Feature	Description
Speaker/MIC	<ul style="list-style-type: none"> Built-in
Alert	<ul style="list-style-type: none"> High frequency response ringer/vibration/visual display alerts
Multiple Ring Tones	<ul style="list-style-type: none"> There are more than 24 user-adjustable ring tones available.
Protocol Support	<ul style="list-style-type: none"> Compatible with Cisco Unified CallManager Version 4.1, 4.0, 3.3 and later, and Cisco Unified CallManager Express Version 3.2, using the Skinny Client Control Protocol (SCCP) Compatible with Cisco Unified Survivable Remote Site Telephony (SRST) Version 2.0 and later CCX Version 2.0
Codec Support	<ul style="list-style-type: none"> G.711a, G.711μ and G.729a audio compression codecs
Configuration Options	<ul style="list-style-type: none"> Dynamic Host Configuration Protocol (DHCP) client or statically configured Alternate TFTP Support Over-the-air firmware upgrades supported using Trivial File Transfer Protocol (TFTP) server
Network Features	<ul style="list-style-type: none"> Cisco Discovery Protocol (CDP) Automatic IEEE 802.1q (Virtual LAN [VLAN]) configuration Site Survey, Trace Route (Hidden Feature), Seamless-Secure Roaming, and VLAN Support Provisioning of network parameters through Dynamic Host Configuration Protocol (DHCP)
Security	<ul style="list-style-type: none"> Cisco Wireless Security Suite IEEE 802.1X Cisco LEAP authentication: Optional password prompt at power-up 40 and 128 bit static Wired Equivalent Privacy (WEP) Wi-Fi Protected Access (WPA) WPA Pre-shared Key (PSK) Cisco Centralized Key Management (CCKM) Temporal Key Integrity Protocol (TKIP) and Message Integrity Check (MIC) Optional phone lock password

WIRELESS CHARACTERISTICS

Table 2. Wireless Characteristics

Item	Description
Wireless Access Protocol	IEEE 802.11b, Direct Sequence with Dynamic Rate Scaling at 1, 2, 5.5, 11 Mbps
RF Channels	Up to 14 depending on regulatory domain. North America: 11, ETSI: 13, Japan: 14
Frequency Range	2.4–2.497 GHz
Wireless Output Power	100mW Effective Isotropic Radiated Power (EIRP) with scaling at 1, 5, 20, 50, 100mW
Range	500–1000 ft/15–300 m indoors depending on environment
Access Point Support	Cisco Aironet access points including the 1300, 1200, 1130, 1100, 1000 Lightweight, 350, and 340 series

SPECIFICATIONS

Table 3. Specifications

Item	Description
Dimensions	<ul style="list-style-type: none">• Phone: 5.2 x 2.1 x 1.0 in. (132.1 x 53.3 x 25.4 mm) (H x W x D)• Desktop Charger: 3.0 x 3.7 x 5.1 in. (75 x 93 x 129 mm) (H x W x D)
Weight	<ul style="list-style-type: none">• 4.8 oz (136.1 g)
Power Supply	<ul style="list-style-type: none">• Standard 1440mA Li-ion battery life: 3.5 hour talk-time, 21 hour standby• Extended 1960mA Li-ion battery life: 4.25 hour talk-time, 30 hour standby• AC-adapters (by geographical region)
Operating Temperature	<ul style="list-style-type: none">• 32°F to 113°F (0°C to 45°C)
Storage Temperature	<ul style="list-style-type: none">• -22°F to 140°F (-30°C to 60°C)
Relative Humidity	<ul style="list-style-type: none">• 10% to 95% (noncondensing)
Drop Specification	<ul style="list-style-type: none">• 1 meter to concrete
Vibration	<ul style="list-style-type: none">• 1.5 Grms maximum, 0.1" double amplitude @0.887 octaves per minute from 5-500-5 Hz sweep, 10 minute dwell on 3 major peaks, in each of the three major mutually perpendicular axes
Thermal Shock	<ul style="list-style-type: none">• -30C 24 hours/+70C 24 hours
Headset Jack	<ul style="list-style-type: none">• 2.5mm
Connector	<ul style="list-style-type: none">• USB slave

ACCESSORIES

Table 4. Accessories

Item	Description
Accessories	<ul style="list-style-type: none">• Desktop charger with USB• 2.5mm ear-bud• Choice of holster and full-cover carry cases• W2K-based administration utility for quick phone configuration

CERTIFICATION/COMPLIANCE

Table 5. Certification and Compliance

Item	Description
USA	<ul style="list-style-type: none">• Safety: UL 60950, 3rd Edition• FCC Part 15B, FCC Part 15.247• OET 65 C
Industry Canada	<ul style="list-style-type: none">• Safety: CAN/CSA-C22.2/UL No. 60950• RSS-102, RSS-210

Item	Description
Europe	<ul style="list-style-type: none"> • Directive 1999/5/EC • EN 300.328 • EN 301.489.1 • EN 301.489.17
Australia/New Zealand	<ul style="list-style-type: none"> • Safety: AS/NZS 3260, ACA TS001, AS/NZS 60950-1 • AS/NZS 4771 • AS/ACIF S004 • DR PTC220 • ACA Radio communications (Electromagnet Radiation—Human Exposure) Standard
Japan	<ul style="list-style-type: none"> • Safety: MITI • TELEC 33a, VCCI Class B • TELEC Std 66
Emission	<ul style="list-style-type: none"> • EN 55022, class B • CISPR22, class B • EN 300 328 • CFR47, Part 15, Subpart B, 199, class B
Immunity	<ul style="list-style-type: none"> • CISPR24 • EN 55024 • EN 50082-1 • EN 301 489-1 and -17

ORDERING INFORMATION

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

CISCO UNIFIED WIRELESS IP PHONE 7920

Table 6. Ordering

SKU	Description	Comments
CP-7920-FC-K9	Cisco Unified Wireless IP Phone 7920/FCC Configurable with Cisco Unified CallManager or Cisco Unified CallManager Express station user license	Includes Cisco Unified Wireless IP Phone 7920/FCC with choice of Cisco Unified CallManager or Cisco Unified CallManager Express station user license; battery and power supply have to be ordered separately
CP-7920-FC-K9=	Cisco Unified Wireless IP Phone 7920/FCC, Spare	Includes Cisco Unified Wireless IP Phone 7920/FCC only; Cisco Unified CallManager or Cisco Unified CallManager Express station user license, battery, and power supply have to be ordered separately
CP-7920-ET-K9	Cisco Unified Wireless IP Phone 7920/ETSI Configurable with Cisco Unified CallManager or Cisco Unified CallManager Express station user	Includes Cisco Unified Wireless IP Phone 7920/ETSI with choice of Cisco Unified CallManager or Cisco Unified CallManager Express station user license; battery and power supply have to be ordered separately

SKU	Description	Comments
CP-7920-ET-K9=	Cisco Unified Wireless IP Phone 7920/ETSI, spare	Includes Cisco Unified Wireless IP Phone 7920/ETSI only; Cisco Unified CallManager or Cisco Unified CallManager Express station user license, battery, and power supply have to be ordered separately
CP-7920-JA-K9	Cisco Unified Wireless IP Phone 7920/Japan Configurable with Cisco Unified CallManager or Cisco Unified CallManager Express station user	Includes Cisco Unified Wireless IP Phone 7920/Japan with choice of Cisco Unified CallManager or Cisco Unified CallManager Express station user license; battery and power supply have to be ordered separately
CP-7920-JA-K9=	Cisco Unified Wireless IP Phone 7920/Japan, spare	Includes Cisco Unified Wireless IP Phone 7920/Japan only; Cisco Unified CallManager or Cisco Unified CallManager Express station user license, battery, and power supply have to be ordered separately
CP-7920-AP-K9	Cisco Unified Wireless IP Phone 7920/APAC Configurable with Cisco Unified CallManager or Cisco Unified CallManager Express station user	Includes Cisco Unified Wireless IP Phone 7920/APAC with choice of Cisco Unified CallManager or Cisco Unified CallManager Express station user license; battery and power supply have to be ordered separately
CP-7920-AP-K9=	Cisco Unified Wireless IP Phone 7920/APAC, spare	Includes Cisco Unified Wireless IP Phone 7920/APAC only; Cisco Unified CallManager or Cisco Unified CallManager Express station user license, battery, and power supply have to be ordered separately
CP-7920-FC-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone/FCC with Cisco Unified CallManager station user license	Includes Cisco Unified Wireless IP Phone 7920/FCC with Cisco Unified CallManager station user license; battery and power supply have to be ordered separately
CP-7920-EC-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone/ETSI with Cisco Unified CallManager station user license	Includes Cisco Unified Wireless IP Phone 7920/ETSI with Cisco Unified CallManager station user license; battery and power supply have to be ordered separately
CP-7920-JC-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone/Japan with Cisco Unified CallManager station user license	Includes Cisco Unified Wireless IP Phone 7920/Japan with Cisco Unified CallManager station user license; battery and power supply have to be ordered separately
CP-7920-AC-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone/APAC with Cisco Unified CallManager station user license	Includes Cisco Unified Wireless IP Phone 7920/APAC with Cisco Unified CallManager station user license; battery and power supply have to be ordered separately
CP-7920-FE-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone/FCC with Cisco Unified CallManager Express station user license	Includes Cisco Unified Wireless IP Phone 7920/FCC with Cisco Unified CallManager Express station user license; battery and power supply have to be ordered separately
CP-7920-EE-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone/ETSI with Cisco Unified CallManager Express station user license	Includes Cisco Unified Wireless IP Phone 7920/ETSI with Cisco Unified CallManager Express station user license; battery and power supply have to be ordered separately
CP-7920-JE-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone/Japan with Cisco Unified CallManager Express station user license	Includes Cisco Unified Wireless IP Phone 7920/Japan with Cisco Unified CallManager Express station user license; battery and power supply have to be ordered separately
CP-7920-AE-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone/APAC with Cisco Unified CallManager Express station user license	Includes Cisco Unified Wireless IP Phone 7920/APAC with Cisco Unified CallManager Express station user license; battery and power supply have to be ordered separately

SKU	Description	Comments
SW-CCM-UL-7920	Cisco Unified CallManager Unit License for Single Cisco Unified Wireless IP Phone 7920	
SW-CCME-UL-7920	Cisco Unified CallManager Express License for Single Cisco Unified Wireless IP Phone 7920	

ACCESSORIES

Table 7. Optional Accessories

SKU	Description
CP-BATT-7920-STD=	Cisco Unified Wireless IP Phone 7920 Battery, Standard
CP-BATT-7920-EXT=	Cisco Unified Wireless IP Phone 7920 Battery, Extended
CP-CASE-7920-FLC=	Cisco Unified Wireless IP Phone 7920 Leather Carry Case, Full Cover
CP-CASE-7920-HOL=	Cisco Unified Wireless IP Phone 7920 Leather Carry Case, Holster
CP-CFGPR-BUN-7920	Cisco Unified Wireless IP Phone 7920 Configuration Program ASSY, Standard Package
CP-DSKCH-BUN-7920	Cisco Unified Wireless IP Phone 7920 Desk Top Charger ASSY, Standard Package
CP-EARBUD-7920-ST=	Cisco Unified Wireless IP Phone 7920 Series Wired Ear-Bud, Standard
CP-PWR-7920-AU=	Cisco Unified Wireless IP Phone 7920 Series Power Supply for Australia
CP-PWR-7920-CE=	Cisco Unified Wireless IP Phone 7920 Series Power Supply for Central Europe (CE)
CP-PWR-7920-JP=	Cisco Unified Wireless IP Phone 7920 Series Power Supply for Japan (JP)
CP-PWR-7920-NA=	Cisco Unified Wireless IP Phone 7920 Series Power Supply for North America (NA)
CP-PWR-7920-UK=	Cisco Unified Wireless IP Phone 7920 Series Power Supply for United Kingdom (UK)
CP-PWR-7920-CN=	Cisco Unified Wireless IP Phone 7920 Series Power Supply for China (CN)

WARRANTY

Cisco Unified IP phones are covered by a Cisco standard one year replacement warranty. A Cisco SMARTnet optional service agreement is available on the Cisco Unified Wireless IP Phone 7920 hardware only and not the accessories, such as batteries.

CISCO UNIFIED COMMUNICATIONS SERVICES AND SUPPORT

Using the Cisco Lifecycle Services approach, Cisco Systems® and its 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. Upfront 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 its 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.

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