DATA SHEET

CISCO WIRELESS IP PHONE 7920, VERSION 2.0

The power of Cisco IP Communications Solution 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 Wireless IP Phone 7920–Version 2.0. The Cisco Wireless IP Phone 7920 is an easy-to-use IEEE 802.11b wireless IP phone that provides comprehensive voice communications in conjunction with Cisco CallManager and Cisco CallManager Express. Increased security and faster roaming, plus eXtensible Markup Language (XML) applications to the display, are several of the enhancements to the Cisco Wireless IP Phone 7920 Version 2.0.

Figure 1. Cisco Wireless IP Phone 7920, Version 2.0

FEATURES

The Cisco Wireless IP Phone 7920, Version 2.0, provides the latest version of our wireless IP phone for Cisco's IP Communications solution. The Cisco Wireless IP Phone 7920 supports a host of calling features and voice quality enhancements. As the Cisco 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 Wireless IP Phone 7920, Version 2.0 identifies incoming messages, allowing users to quickly and effectively return calls using direct dial-back capability.

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Feature	Description
Features	• 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	• 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	• 128 X 80 pixel-graphical display • Backlit
Speaker/MIC	• Built-in
Alert	• High frequency response ringer/vibration/visual display alerts
Multiple Ring Tones	• There are more than 24 user-adjustable ring tones available.
Protocol Support	• Compatible with Cisco CallManager Version 4.1, 4.0, 3.3 and later, and CallManager Express Version 3.2, using the Skinny Client Control Protocol (SCCP) • Compatible with Cisco Survivable Remote Site Telephony (SRST) Version 2.0 and later • CCX Version 2.0
Codec Support	• G.711a, G.711µ and G.729a audio compression codecs

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Feature	Description
Configuration Options	• 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	• Cisco Discovery Protocol (CDP) • Automatic IEEE 802.1q (Virtual LAN [VLAN]) configuration • SNMP Manager • Site Survey, Trace Route (Hidden Feature), Seamless-Secure Roaming, and VLAN Support • Provisioning of network parameters through Dynamic Host Configuration Protocol (DHCP)
Security	• 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	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	4.8 oz (136.1 g)
Power Supply	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	32°F to 113°F (0°C to 45°C)
Storage Temperature	-22°F to 140°F (-30°C to 60°C)
Relative Humidity	10% to 95% (noncondensing)

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Item	Description
Drop Specification	1 meter to concrete
Vibration	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	-30C 24 hours/+70C 24 hours
Headset Jack	2.5mm
Connector	USB slave

ACCESSORIES

Table 4. Accessories

Item	Description
Accessories	• Desktop charger with USB • 2.5mm ear-bud • Additional headsets available at http://www.cisco.getheadsets.com • 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	• Safety: UL 60950, 3rd Edition • FCC Part 15B, FCC Part 15.247 • OET 65 C
Industry Canada	• Safety: CAN/CSA-C22.2/UL No. 60950 • RSS-102, RSS-210
Europe	• Directive 1999/5/EC • EN 300.328 • EN 301.489.1 • EN 301.489.17
Australia/New Zealand	• 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	• Safety: MITI • TELEC 33a, VCCI Class B • TELEC Std 66

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Item	Description
Emission	• EN 55022, class B • CISPR22, class B • EN 300 328 • CFR47, Part 15, Subpart B, 199, class B
Immunity	• CISPR24 • EN 55024 • EN 50082-1 • EN 301 489-1 & -17

ORDERING INFORMATION

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

CISCO WIRELESS IP PHONE 7920

Table 6. Ordering

SKU	Description
CP-7920-FC-K9	Cisco Wireless IP Phone 7920/FCC with station user license
CP-7920-FC-K9=	Cisco Wireless IP Phone 7920/FCC Spare
CP-7920-ET-K9	Cisco Wireless IP Phone 7920/ETSI with station user license
CP-7920-ET-K9=	Cisco Wireless IP Phone 7920/ETSI, spare
CP-7920-JA-K9	Cisco Wireless IP Phone 7920/Japan with station user license
CP-7920-JA-K9=	Cisco Wireless IP Phone 7920/Japan, spare
CP-7920-AP-K9	Cisco Wireless IP Phone 7920/Asia Pacific (APAC) with station user license
CP-7920-AP-K9=	Cisco Wireless IP Phone 7920/APAC, spare
CP-7920-FC-CH1-K9	Cisco Wireless IP Phone 7920 Phone/FCC with Cisco CallManager station user license
CP-7920-EC-CH1-K9	Cisco Wireless IP Phone 7920 Phone/ETSI with Cisco CallManager station user license
CP-7920-JC-CH1-K9	Cisco Wireless IP Phone 7920 Phone/Japan with Cisco CallManager station user license
CP-7920-AC-CH1-K9	Cisco Wireless IP Phone 7920 Phone/APAC with Cisco CallManager station user license
CP-7920-FE-CH1-K9	Cisco Wireless IP Phone 7920 Phone/FCC with Cisco CallManager Express station user license
CP-7920-EE-CH1-K9	Cisco Wireless IP Phone 7920 Phone/ETSI with Cisco CallManager Express station user license
CP-7920-JE-CH1-K9	Cisco Wireless IP Phone 7920 Phone/Japan with Cisco CallManager Express station user license
CP-7920-AE-CH1-K9	Cisco Wireless IP Phone 7920 Phone/APAC with Cisco CallManager Express station user license
SW-CCM-UL-7920	Cisco CallManager Unit License for Single Cisco Wireless IP Phone 7920
SW-CCME-UL-7920	Cisco CallManager Express License for Single Cisco Wireless IP Phone 7920

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ACCESSORIES

Table 7. Optional Accessories

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

Warranty

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

CISCO IP COMMUNICATIONS SERVICES AND SUPPORT

Cisco IP Communications services and support reduce the cost, time, and complexity associated with implementing a converged network. Cisco and its partners have designed and deployed some of today's largest and most complex IP Communications networks-which means that they understand how to integrate an IP Communications solution into your network.

Cisco design tools and best practices ensure the solution best fits your business needs from the start, eliminating costly redesigns and downtime. Our proven methods ensure a sound implementation that will deliver the functions and features you expect-on time. Support services include remote network operations, network management tools to administer the converged application and network infrastructure, and technical support services.

Through these services, your organization benefits from the experience gained by Cisco and its partners. Leveraging this valuable experience, you can create and maintain a resilient converged network that will meet your business needs today-and in the future.

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