

Cisco Unified Wireless IP Phone 7920, Version 3.0

The Cisco® Unified Communications system of voice and IP communications products and applications enables organizations to communicate more effectively—helping 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 a key 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 3.0 (Figure 1). 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 with Cisco Extensible Authentication Protocol-Flexible Authentication via Secure Tunneling (EAP-FAST), improved battery life, and support for additional languages are several of the enhancements to the Cisco Unified Wireless IP Phone 7920 Version 3.0.

Figure 1. Cisco Unified Wireless IP Phone 7920.



FEATURES

The Cisco Unified Wireless IP Phone 7920 Version 3.0 provides the latest version of the wireless IP phone for the Cisco Unified Communications family of products. The phone supports a host of calling features and voice-quality enhancements. Because the phone is designed to grow with system capabilities, features will keep pace with new system enhancements. Table 1 gives features, Table 2 gives wireless characteristics, Table 3 lists specifications, Table 4 lists accessories, and Table 5 gives certification and compliance information about the phone.

Table 1. Features

Feature	Description
Messages	Offers direct access to voicemail with Menu key or Hot key
Directories	Identifies incoming messages, allowing users to quickly and effectively return calls using direct dial-back capability
Features	• 6 multiline appearance—extensions or speed dials • Calling name and number display • Call waiting • Call forward • Call transfer • Three-way calling (conference) • Predialing before sending • Redial • Call hold and resume • Call mute • Call park • Call pick-up and group pick-up • “You Have Voice Mail” message on display • Hot key for keypad lock • Hot key for voicemail access • 9 speed dials configurable in the set • Programmable speed-dial Hot keys 2–9 • Time and date display • Idle and call state-based soft keys • Keypad lock and 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, Norwegian, and Japanese • 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, and Power
Display	• 128 x 80 pixel-graphical display • Backlit

Feature	Description
Speaker/MIC	Built in
Alert	High-frequency response ringer, vibration, and visual display alerts
Multiple Ring Tones	More than 24 user-adjustable ring tones available
Protocol Support	- Compatible with Cisco Unified CallManager Versions 5.0, 4.2, 4.1, 4.0, 3.3, and later, and Cisco Unified CallManager Express Versions 3.3 and 3.2, using the Skinny Client Control Protocol (SCCP) Compatible with Cisco Unified Survivable Remote Site Telephony (SRST) Version 2.0 and later - Cisco Compatible Extensions Version 2.0
Codec Support	G.711a, G.711u, and G.729a audio compression codecs
Configuration Options	- Dynamic Host Configuration Protocol (DHCP) client or statically configured - Alternate Trivial File Transfer Protocol (TFTP) support - Support for over-the-air firmware upgrades using TFTP server
Network Features	- Cisco Discovery Protocol - Automatic IEEE 802.1q (VLAN) configuration - Site survey, traceroute (hidden feature), transparent secure roaming, and VLAN support - Provisioning of network parameters through 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 (CKM) - Temporal Key Integrity Protocol (TKIP) and Message Integrity Check (MIC) - EAP-FAST - Optional phone lock password - Automatic key lock

Table 2. Wireless Characteristics

Item	Description
Wireless Access Protocol	IEEE 802.11b, Direct Sequence with Dynamic Rate Scaling at 1, 2, 5.5, and 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	100-mW Effective Isotropic Radiated Power (EIRP) with scaling at 1, 5, 20, 50, and 100 mW
Range	500–1000 ft (15–300m) indoors, depending on environment
Access-Point Support	Cisco Aironet® access points, including the Cisco Aironet 1300, Aironet 1200, Aironet 1100, Aironet 350, and Aironet 340 series, the Cisco Aironet 1100 Series Lightweight, and the Cisco Aironet 1130

Table 3. Specifications

Item	Description
Dimensions (H x W x D)	• Phone: 5.2 x 2.1 x 1.0 in. (132.1 x 53.3 x 25.4 mm) • Desktop charger: 3.0 x 3.7 x 5.1 in. (75 x 93 x 129 mm)
Weight	4.8 oz (136.1g)
Power Supply	• Standard Li-ion battery life: up to 3.5-hour talk time, up to 30-hour standby • Extended Li-ion battery life: up to 4.25-hour talk time, up to 40-hour standby • AC adapters (by geographical region)
Operating Temperature	32 to 113°F (0 to 45°C)
Storage Temperature	–22 to 140°F (–30 to 60°C)
Relative Humidity	10 to 95% (noncondensing)
Drop Specification	1m to concrete
Vibration	1.5 Grms maximum, 0.1" double amplitude at 0.887 octaves per minute from 5-500-5 Hz sweep, 10-minute dwell on three major peaks, in each of the three major mutually perpendicular axes
Thermal Shock	–22°F (–30C) 24 hours; 158°F (+70C) 24 hours
Headset Jack	2.5 mm
Connector	USB slave

Table 4. Accessories

Item	Description
Accessories	• Desktop charger with USB • 2.5-mm ear bud • Choice of holster and full-cover carry cases • Windows 2000-based administration utility for quick phone configuration

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

Item	Description
Australia and New Zealand	• Safety: AS/NZS 60950 • AS/NZS 4771 2000 • AS/ACIF S004, S040-HAC • AS/NZS 3548 Class B • AS/NZS 2772
Japan	• Safety: MITI • TELEC 33a, VCCI Class B • TELEC Std 66
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 and -17

ORDERING INFORMATION

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

Tables 6 and 7 give ordering information for the Cisco Unified Wireless IP Phone 7920.

Table 6. Ordering Information

Part Number	Description
CP-7920-FC-K9	Cisco Unified Wireless IP Phone 7920—FCC; station user license required; battery/power supply not included
CP-7920-FC-K9=	Cisco Unified Wireless IP Phone 7920—FCC spare; battery/power supply not included
CP-7920-ET-K9	Cisco Unified Wireless IP Phone 7920—ETSI; station user license required; battery/power supply not included
CP-7920-ET-K9=	Cisco Unified Wireless IP Phone 7920—ETSI, spare; battery/power supply not included
CP-7920-JA-K9	Cisco Unified Wireless IP Phone 7920—Japan; station user license required; battery/power supply not included
CP-7920-JA-K9=	Cisco Unified Wireless IP Phone 7920—Japan, spare; battery/power supply not included
CP-7920-AP-K9	Cisco Unified Wireless IP Phone 7920—Asia Pacific; station user license required; battery/power supply not included
CP-7920-AP-K9=	Cisco Unified Wireless IP Phone 7920—APAC, spare; battery/power supply not included
CP-7920-AU-K9	Cisco Unified Wireless IP Phone 7920—Australia; station user license required; battery/power supply not included
CP-7920-AU-K9=	Cisco Unified Wireless IP Phone 7920—Australia, spare; battery/power supply not included
CP-7920-FC-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone—FCC with Cisco Unified CallManager station user license; battery/power supply not included
CP-7920-EC-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone—ETSI with Cisco Unified CallManager station user license; battery/power supply not included

Part Number	Description
CP-7920-JC-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone—Japan with Cisco Unified CallManager station user license; battery/power supply not included
CP-7920-AC-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone—APAC with Cisco Unified CallManager station user license; battery/power supply not included
CP-7920-AUC-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone—Australia with Cisco Unified CallManager station user license; battery/power supply not included
CP-7920-FE-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone—FCC with Cisco Unified CallManager Express station user license; battery/power supply not included
CP-7920-EE-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone—ETSI with Cisco Unified CallManager Express station user license; battery/power supply not included
CP-7920-JE-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone—Japan with Cisco Unified CallManager Express station user license; battery/power supply not included
CP-7920-AE-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone—APAC with Cisco Unified CallManager Express station user license; battery/power supply not included
CP-7920-AUE-CH1-K9	Cisco Unified Wireless IP Phone 7920 Phone—Australia with Cisco Unified CallManager Express station user license; battery/power supply not included
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

Part Number	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; includes Configuration Utility and 2 USB cables
CP-DSKCH-BUN-7920	Cisco Unified Wireless IP Phone 7920 Desk Top Charger; power supply not included
CP-MCHGR-7920-BUN	Cisco Unified Wireless IP Phone 7920 Multi-Charger bundle (includes multi-charger, power supply, and AC power cord)
CP-MULTICHGR-7920=	Cisco Unified Wireless IP Phone 7920 Multi-Charger
CP-EARBUD-7920-ST=	Cisco Unified Wireless IP Phone 7920 Wired Ear Bud, standard
CP-PWR-7920-AU=	Cisco Unified Wireless IP Phone 7920 Power Supply for Australia
CP-PWR-7920-CE=	Cisco Unified Wireless IP Phone 7920 Power Supply for Central Europe (CE)
CP-PWR-7920-JP=	Cisco Unified Wireless IP Phone 7920 Power Supply for Japan (JP)
CP-PWR-7920-NA=	Cisco Unified Wireless IP Phone 7920 Power Supply for North America (NA)
CP-PWR-7920-UK=	Cisco Unified Wireless IP Phone 7920 Power Supply for United Kingdom (UK)
CP-PWR-7920-CN=	Cisco Unified Wireless IP Phone 7920 Power Supply for China (CN)

Part Number	Description
CP-PWR-MC7920=	Cisco Unified Wireless IP Phone 7920 Multi-Charger Power Supply
CAB-AC2AUS=	AC power cord for Australia for Cisco Unified Wireless IP Phone 7920 Multi-Charger
CAB-AC2E=	AC power cord for Europe for Cisco Unified Wireless IP Phone 7920 Multi-Charger
CAB-AC2J=	AC power cord for Japan for Cisco Unified Wireless IP Phone 7920 Multi-Charger
CAB-AC2=	AC power cord for North America for Cisco Unified Wireless IP Phone 7920 Multi-Charger
CAB-AC2UK=	AC power cord for United Kingdom for Cisco Unified Wireless IP Phone 7920 Multi-Charger
CAB-AC2CHI=	AC power cord for China for Cisco Unified Wireless IP Phone 7920 Multi-Charger

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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