Cisco Unified Wireless IP Phone 7926G

Cisco® Unified Communications is a comprehensive IP communications system of voice, video, data, and mobility products and applications. It enables more effective, more secure, more personal communications that directly affect both sales and profitability. It brings people together by enabling a new way of communicating in which your business moves with you, security is everywhere, and information is always available - whenever and wherever it is needed. Cisco Unified Communications is part of an integrated solution that includes network infrastructure, security, mobility, network management products, lifecycle services, flexible deployment and outsourced management options, end-user and partner financing packages, and third-party communications applications.

The power of the Cisco Unified Communications Family of products extends throughout the enterprise, delivering a powerful, converged wireless solution with intelligent wireless infrastructure and an innovative new product: the Cisco Unified Wireless IP Phone 7926G (Figure 1). This device now introduces two-dimensional (2D) bar-code scanning capability to the successful Cisco Unified Wireless IP Phone portfolio.

Figure 1. Cisco Unified Wireless IP Phone 7926G

© 2011 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Features

The Cisco Unified Wireless IP Phone 7926G is designed for users in rigorous workspaces as well as general office environments, where mobile communications and bar-code scanning are required. It supports a wide range of features for enhanced voice communications, quality of service (QoS), and security. Some of the main benefits and highlights follow:

- IEEE 802.11 a/b/g radio
- Two-inch color display
- 2D image bar-code scanner
- Bluetooth 2.0 support with enhanced data rate (EDR)
- IP54 rated for protection against dust and splashing water
- MIL-STD-810F standard for shock resistance
- Long battery life (up to 240 hours of standby time or 13 hours of talk time)
- Built-in speakerphone for hands-free operation
- Exceptional voice quality with support for wideband audio
- Support for a wide range of applications through XML and Java Mobile Information Device Profile (MIDP)

Table 1 lists the features, Table 2 summarizes wireless characteristics, Table 3 lists specifications, Table 4 provides certification and compliance information, and Table 5 gives bar-code specifications.

Table 1. Features

Features	Description
Features	• Six line appearances • Abbreviated dialing • Adjustable ringing and volume levels • Adjustable display brightness and timeout • Any-key answer • Audible and vibrating ringers • Auto-answer • Auto-detection of headset and auto-answer from headset • Automatic keypad lock • Barge • Call back • Call forward • Call history lists • Call park • Call pickup • Call timer • Call waiting • Caller ID • cBarge • Corporate directory • Conference • Direct transfer • Extension mobility service • Fast-dial service • Font-size adjustment • Group call pickup • Hold • Hotkey for keypad lock, vibration and ring toggle, and voicemail access • Immediate divert • Join • Last-number redial • Malicious-caller ID

© 2011 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Features	Description
	• Message-waiting indicator • Meet-me conference • Minimum ring volume • Multilevel Precedence and Preemption (MLPP) for priority calling • Music on hold • Mute • Network profiles (automatic) • On- and off-network distinctive ringing • OPickUp • Personal directory • Predialing before sending • Privacy • Quality report tool (QRT) • Redial • Ring tone per line appearance • Service URL • Shared line • Time and date display • Transfer
Buttons	• Two soft-key buttons to access screen-based applications, features, and functions • Application button that you can use to invoke XML and Java applications • Mute • Speakerphone • Five-way navigation support • Volume control including Bluetooth volume control • Send button and Power/End button
Display	2-in. (5-cm) color display with 176 x 220 pixel resolution
LED	Ring, message waiting, and charging LED
Protocol support	• Skinny Client Control Protocol (SCCP) • Cisco Unified Communications Manager Version 7.0 and later • Cisco Unified Communications Manager Express Version 8.6 and later • Cisco Unified Survivable Remote Site Telephony (SRST) Version 8.6 and later
Cisco Compatible Extension	Cisco Compatible Extension Version 4
Extensible language	XML
Codec support	G.711a, G.711u, G.729a, G.729ab, G.722, and Internet Low Bitrate Codec (iLBC) audio compression codecs
Configuration options	• Dynamic Host Configuration Protocol (DHCP) client or static configuration • Support for online firmware upgrades using Trivial File Transfer Protocol (TFTP) • Domain Name System (DNS)
Network features	• Cisco Discovery Protocol • Transparent secure roaming • Provisioning of network parameters through DHCP
Security features	• Certificates • Image authentication • Device authentication • File authentication • Signaling authentication • Secure Cisco Unified SRST • Media encryption using Secure Real-Time Transport Protocol (SRTP) • Signaling encryption using Transport Layer Security (TLS) Protocol • Certificate authority proxy function (CAPF) • Secure profiles • Encrypted configuration files

© 2011 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Features	Description
Provisioning and management	• Web server for configuration and statistics • Capability to disable local phone settings • QoS reporting: jitter, delay, dropped packets, and latency on a per-call basis • Real-Time Control Protocol (RTCP) support and monitoring • Syslog • Wavelink Avalanche (http://www.wavelink.com)
Deployment tools	Integrated site survey tool
Language support	Bulgarian, Catalan, Chinese, Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Serbian, Slovak, Slovenian, Spanish, and Swedish **Note** The Java MIDP support is currently only available for English.

Table 2. Wireless Characteristics

Item	Description		
Protocol	IEEE 802.11a, 802.11b, and 802.11g		
Frequency band and operating channels	• Band range 2.412-2.484 GHz channels 1-13 (also 14 Japan) • Band range 5.180-5.240 GHz UNII-1 channels 36, 40, 44, and 48 • Band range 5.260-5.320 GHz UNII-2 channels 52, 56, 60, and 64 • Band range 5.500-5.700 GHz UNII-2 extended channels 100-140 • Band range 5.745-5.805 GHz UNII-3 channels 149, 153, 157, and 161 **Note** that 802.11j (channels 34, 38, 42, and 46) and channel 165 are not supported		
Support mode	• IEEE 802.11a • IEEE 802.11b/g • Autosensing, IEEE 802.11b/g preferred over IEEE 802.11a • Autosensing, IEEE 802.11a preferred over IEEE 802.11b/g • Received signal strength indicator (RSSI) (default)		
Data rates	IEEE 802.11a: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps	IEEE 802.11b: 1, 2, 5.5, and 11 Mbps	IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54 Mbps
Nonoverlapping channels	• IEEE 802.11a: Up to 23 (including radar channels) • IEEE 802.11b/g: 3 (Japan uses 4) (Bluetooth 2.0 also uses the 2.4-GHz spectrum, so IEEE 802.11a is recommended when using Bluetooth 2.0)		
Wireless modulation	• IEEE 802.11a: Orthogonal frequency division multiplexing (OFDM) • IEEE 802.11b: Direct sequence spread spectrum (DSSS) • IEEE 802.11g: OFDM and DSSS		
Receiver sensitivity (typical)	IEEE 802.11a: • 6 Mbps: -91 dBm • 9 Mbps: -90 dBm • 12 Mbps: -88 dBm • 18 Mbps: -86 dBm • 24 Mbps: -82 dBm • 36 Mbps: -80 dBm • 48 Mbps: -77 dBm • 54 Mbps: -75 dBm	IEEE 802.11b: • 1 Mbps: -96 dBm • 2 Mbps: -95 dBm • 5.5 Mbps: -90 dBm • 11 Mbps: -87 dBm	v802.11g: • 6 Mbps: -91 dBm • 9 Mbps: -90 dBm • 12 Mbps: -87 dBm • 18 Mbps: -86 dBm • 24 Mbps: -82 dBm • 36 Mbps: -80 dBm • 48 Mbps: -77 dBm • 54 Mbps: -76 dBm
Transmitter output power	IEEE 802.11a OFDM: • 40 mW (16 dBm) • 32 mW (15 dBm) • 20 mW (13 dBm) • 8 mW (9 dBm) • 3.2 mW (5 dBm) • 1 mW (0 dBm)	IEEE 802.11b CCK: • 50 mW (17 dBm) • 20 mW (13 dBm) • 8 mW (9 dBm) • 3.2 mW (5 dBm) • 1 mW (0 dBm)	IEEE 802.11g OFDM: • 40 mW (16 dBm) • 32 mW (15 dBm) • 20 mW (13 dBm) • 8 mW (9 dBm) • 3.2 mW (5 dBm) • 1 mW (0 dBm)

© 2011 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Item	Description		
Range (stated ranges are from measured open-site range testing)	IEEE 802.11a: • 6 Mbps: 604ft (184m) • 9 Mbps: 604 ft (184m) • 12 Mbps: 551 ft (168m) • 18 Mbps: 545 ft (166m) • 24 Mbps: 512 ft (156m) • 36 Mbps: 420 ft (128m) • 48 Mbps: 322 ft (98m) • 54 Mbps: 289 ft (88m)	IEEE 802.11b: • 1 Mbps: 1,010 ft (308m) • 2 Mbps: 951 ft (290m) • 5.5 Mbps: 919 ft (280m) • 11 Mbps: 902 ft (275m)	IEEE 802.11g: • 6 Mbps: 709 ft (216m) • 9 Mbps: 650 ft (198m) • 12 Mbps: 623 ft (190m) • 18 Mbps: 623 ft (190m) • 24 Mbps: 623 ft (190m) • 36 Mbps: 495 ft (151m) • 48 Mbps: 413 ft (126m) • 54 Mbps: 394 ft (120m)
	Ranges and actual throughput depend on numerous environmental factors, so individual performance may differ.		
Access-point support	• Cisco 500 and 600 Series Wireless Express Access Points • Cisco Aironet® 1000 Series Lightweight Access Point • Cisco Aironet 1040 and 1100 Series Access Point • Cisco Aironet 1130 AG Series • Cisco Aironet 1200 Series Cisco Aironet 1230 AG Series • Cisco Aironet 1240 AG Series • Cisco Aironet 1250 Series • Cisco Aironet 1300 Series • Cisco Aironet 1400 AG Series	Required versions: • Cisco Wireless LAN Controller (lightweight) Minimum: Version 5.2.193.0 Recommended: Version 7.0.98.0 or later • Cisco IOS® Software access points (autonomous) Minimum: Release 12.4(10b)JA3 Recommended: Release 12.4(21a)JY or later	
Wireless security	Authentication: • Cisco Wireless Security Suite IEEE 802.1X • Lightweight Extensible Authentication Protocol (LEAP) Authentication • Protected Extensible Authentication Protocol (PEAP) MS-CHAP Version 2 • Extensible Authentication Protocol and Flexible Authentication with Secure Tunneling (EAP-FAST) • Extensible Authentication Protocol and Transport Layer Security (EAP-TLS) • Wi-Fi Protected Access (WPA) Versions 1 and 2: Personal and Enterprise • Cisco Centralized Key Management (CKM)	Encryption: • 40- and 128-bit static Wired Equivalent Privacy (WEP) • Temporal Key Integrity Protocol (TKIP) and Message Integrity Check (MIC) • Advanced Encryption Standard (AES)	
QoS	IEEE 802.11e and Wi-Fi Multimedia (WMM) • Traffic Specification (TSPEC) • Enhanced Distributed Channel Access (EDCA) • QoS Basic Service Set (QBSS)		
Radar detection	Dynamic frequency selection (DFS) and transmit power control (TPC) according to IEEE 802.11h		
Power save mode	• U-APSD • Power Save Poll (PS-Poll)		

Table 3. Specifications

Item	Description
Dimensions (H x W x D)	5.0 x 2.0 x 0.8 in. (12.7 x 5.2 x 2.0 cm)
Weight	5.4 to 5.6 oz (140 to145g) depending on battery pack
Battery	• Standard lithium-ion (Li-ion) battery life: Up to 9.5 hours talk time and 180 hours standby • Extended Li-ion battery life: Up to 13 hours talk time and 240 hours standby **Note:** Actual battery life varies significantly based on environmental factors and Bluetooth use.
Input power	• Phone: 100 to 240 VAC, ~0.2A, and 50 to 60 Hz • AC adapters (by geographical region)
Operating temperature	32 to 104°F (0 to 40°C)
Storage temperature	-22 to 140°F (-30 to 60°C)
Relative humidity	10 to 95% (noncondensing)

© 2011 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Item	Description
Vibration	1.5 Grms maximum, 0.1 in. (2.5 mm) double amplitude at 0.887 octaves per minute from 5-500-5 Hz sweep, and 10-minute dwell on three major peaks in each of the three major mutually perpendicular axes
Thermal shock	-22°F (-30°C) 24 hours; 158°F (70°C) 24 hours
Altitude	Certified for operation: 0 to 6500 ft (0 to 2 km)
Endurance	• IP54 • MIL-STD-810F, Method 516.5, Procedure I
Headset	• Wireless: Bluetooth 2.0 • Wired: 2.5 mm (4-conductor tri-band)
Connector	Mini USB

Table 4. Certification and Compliance

Item	Description
Safety	• UL 60950 • CSA 22.2 No.60950 • EN 60950 • IEC 60950 • AS/NZS 60950 • IEC 60529 (IP 54)
Electromagnetic compatibility and electromagnetic interference (EMC/EMI)	• 47 CFR Part 15 Class B • ICES-003 Class B • EN 55022 Class B • AS/NZS CISPR 22 Class B • CISPR 22 Class B • VCCI Class B • EN 61000-3-2 • EN 61000-3-3 • KN 22 • EN 55024 • EN 50082-1 • EN 61000-6-1 • EN 300386 • EN 60601-1-2 • KN Immunity Series
Telecom	• FCC Part 68 (CFR) (HAC) • NZ PTC 220 DR • AS/ACIF S004 and AS/ACIF S040 (Australia) • TIA 810-B and TIA 920-A
Radio	• USA: FCC Part 15.247 (2.4 GHz), FCC Part 15.407 (5 GHz), and FCC Part 2 • Canada: RSS-210 • Japan: ARIB STD-T66 (2.4 GHz), and ARIB STD-T70 and T71 (4.9/5 GHz) • ETSI : EN 300.328 (2.4 GHz) and EN 301.893 (5 GHz) • Australia and New Zealand: AS/NZS 4268 • Singapore: IDA TS SRD • Hong Kong: HKTA1039
RF exposure	• OET-65C (01-01) • ANSI C95.1 (91) • RSS-102 • ACA Radio Communications (Electromagnetic Radiation - Human Exposure) Standard 2003 • EN 50360 • EN 301489-1 • EN 301489-17
Optical	• IEC 60825 Class 1 Laser, LED (Light Emitting Diode)

© 2011 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

Table 5. Bar-Code Specification

Item	Description
Basic symbology	Code39, Code 128, DataMAtrix, EAN13, UCC/EAN128, UPC, and PDF417
Extended symbology	Code39, Code 128, DataMAtrix, EAN13, UCC/EAN128, UPC, PDF417, Aztec, Codabar, Code11, Code39, Matrix 20f5, Plessey, GS1 Databar, Telepen, QRCode, Maxicode, and MicroPDF417

Ordering Information

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

Tables 6 and 7 provide ordering information for the Cisco Unified Wireless IP Phone 7926G.

Table 6. Product and License Ordering Information

Part Number	Description
CP-7926G-W-K9	Cisco Unified Wireless IP Phone 7926G Rest of World; Cisco Unified Communications Manager and Cisco Unified Communications Manager Express User License Required; Battery/Power Supply Not Included
CP-7926G-W-K9=	Cisco Unified Wireless IP Phone 7926G Rest of World; Battery/Power Supply Not Included

Table 7. Optional Accessories Ordering Information

Part Number	Description
CP-BATT-7925G-STD=	Cisco Unified Wireless IP Phone 7925G Battery, Standard
CP-BATT-7925G-EXT=	Cisco Unified Wireless IP Phone 7925G Battery, Extended
CP-HOLSTER-7926G=	Cisco Unified Wireless IP Phone 7926G Holster with integrated clip
CP-CASE-7926G=	Cisco Unified Wireless IP Phone 7926G leather case with belt clip
CP-PWR-7925G-AU=	Cisco Unified Wireless IP Phone 7925G Power Supply for Australia
CP-PWR-7925G-CE=	Cisco Unified Wireless IP Phone 7925G Power Supply for Central Europe
CP-PWR-7925G-JP=	Cisco Unified Wireless IP Phone 7925G Power Supply for Japan
CP-PWR-7925G-NA=	Cisco Unified Wireless IP Phone 7925G Power Supply for North America
CP-PWR-7925G-UK=	Cisco Unified Wireless IP Phone 7925G Power Supply for United Kingdom
CP-PWR-7925G-AR=	Cisco Unified Wireless IP Phone 7925G Power Supply for Argentina

Warranty

Cisco Unified IP Phones are covered by a Cisco standard 1-year replacement warranty. A Cisco SMARTnet® optional service agreement is available for the Cisco Unified Wireless IP Phone 7926G and Cisco Unified Wireless IP Phone 7925 Multi-Charger only, not for other accessories such as batteries or holsters.

Note: This product is not a medical device and uses an unlicensed frequency band that may be susceptible to interference from other devices or equipment.

Cisco Unified Communications Services and Support

Using the Cisco Lifecycle Services approach, Cisco and our 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. Initial planning and design services, for example, can help you meet aggressive deployment schedules and reduce network disruption during implementation. Operate services reduce the risk of communications downtime with expert technical support, and optimize services enhance solution performance for operational excellence. Cisco and our 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.

© 2011 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.

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 of Cisco Systems, Inc. and/or its affiliates in the U.S. and other countries. A listing of Cisco's trademarks can be found at 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. (1005R)

Printed in USA C78-649589-00 02/11

© 2011 Cisco and/or its affiliates. All rights reserved. This document is Cisco Public Information.