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Overview

Cisco Wireless IP Phone 8821 is a ruggedized, resilient, and secure 802.11 wireless LAN handset that delivers cost-effective, on-premises, comprehensive voice over wireless LAN (VoWLAN) communications for the highly mobile in-campus worker.

Quick Specs

Figure 1 shows the appearance of CP-8821-K9.



Table 1. Quick Specs of CP-8821-K9

Part Number	CP-8821-K9
Protocols	· IEEE 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac
Display	· 2.4-in. (6-cm) color display with 240 x 320 pixel resolution
Dimensions (HxWxD)	· 5.2 x 2.2 x 0.7 in. (13.2 x 5.6 x 1.7 cm)
Weight	· Device 4.4 oz (126 g), battery 1.3 oz (37 g), total = 5.7 oz (163 g)
Battery	· Up to 13 hours of voice calling; up to 220 hours standby · Rechargeable Lithium ion 4.35V, 2060mAh smart battery Note: Actual battery life varies significantly based on environmental factors, scan mode, and Bluetooth use.
Input power	· Phone: 100 to 240 VAC, ~0.2A, and 50 to 60 Hz · AC adapters (by geographical region)

Accessories

The following accessories are available for the Cisco Wireless IP Phone 8821.

- Batteries
- Phone Power Supply
- Holster Case
- Leather Case
- Lanyard
- Desktop Charger
- Multicharger

Compare to Similar Item

Table 2. Comparison between CP-8821-K9 and CP-8841-K9.

Part Number	CP-8821-K9	CP-8841-K9
Category	Cisco 8800 IP Phone	Cisco 8800 IP Phone
Wireless	Yes	No
Display	· 2.4-in. (6-cm) color display with 240 x 320 pixel resolution	5'' high-resolution (800×480) WVGA color display

Get More Information

Do you have any question about the CP-8821-K9?

Contact us now via info@hi-network.com.

Specification

CP-8821-K9 Specification	
Protocols	· IEEE 802.11a, 802.11b, 802.11g, 802.11n, 802.11ac
Frequency bands and operating channels	· 2.412 to 2.472 GHz (channels 1 to 13) · 5.180 to 5.240 GHz (channels 36 to 48) · 5.260 to 5.320 GHz (channels 52 to 64) · 5.500 to 5.700 GHz (channels 100 to 140) · 5.745 to 5.825 GHz (channels 149 to 165) · IEEE 802.11d is used to identify available channels
Nonoverlapping channels	· 2.4 GHz (20-MHz channels): up to 3 channels



	· 5 GHz (20-MHz channels): up to 24 channels · 5 GHz (40-MHz channels): up to 9 channels · 5 GHz (80-MHz channels): up to 4 channels
Operating modes	· Auto (preference to 5 GHz) · 2.4 GHz only · 5 GHz only
Display	· 2.4-in. (6-cm) color display with 240 x 320 pixel resolution
Dimensions (HxWxD)	· 5.2 x 2.2 x 0.7 in. (13.2 x 5.6 x 1.7 cm)
Weight	· Device 4.4 oz (126 g), battery 1.3 oz (37 g), total = 5.7 oz (163 g)
Battery	· Up to 13 hours of voice calling; up to 220 hours standby · Rechargeable Lithium ion 4.35V, 2060mAh smart battery Note: Actual battery life varies significantly based on environmental factors, scan mode, and Bluetooth use.
Input power	· Phone: 100 to 240 VAC, ~0.2A, and 50 to 60 Hz · AC adapters (by geographical region)
Operating temperature	· Device: 14° to 122°F (-10° to 50°C) · Battery: -4° to 140°F (-20° to 60°C)
Storage temperature	· Device: -22° to 140°F (-30° to 60°C) · Battery: -4° to 113°F (-20° to 45°C)
Relative humidity	· 10% to 95% (noncondensing)
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	· Ingress Protection Standard IP67 · MIL-STD-810G Drop and Vibration procedures
Drop specs	· Withstand multiple drops of 6 feet (1.8 m) onto concrete. 12 drops (6 faces, 4 edges, face, and bottom)
Headset	· Wireless: Bluetooth SW 3.0 HW 4.0 · Wired: 3.5 mm stereo headphone/microphone jack
Connector	· Magnetic USB 2.0 On the Go (OTG) connector
Safety	· UL 60950-1 · CAN/CSA 60950-1 · EN 60950-1 · IEC 60950-1 · AS/NZS 60950.1 · IEC 60529 (IP 67)
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 Class B · EN 55024 · EN 50082-1 · EN 61000-6-1 · EN61000-6-3 · 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 · Canada-CS-03-HAC
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), 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

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