

Airello™ Q-WiFi-Fone-XUV™



Full-featured wireless VoIP phone for SIP

Operates in the 2.4 GHz band

Supports IEEE802.11 b/g

Features

- Pixel-based display—Provides intuitive access to calling features
- Nine speed dials configurable in the handset
- Comfort noise generation (CNG), voice activity detection (VAD), adaptive jitter buffer, and echo cancellation
- RF and battery level indication
- Local phone book
- External 2.4GHz antenna
- USB charger interface
- 40 chords melody (optional)
- ABS+PC plastic housing
- C-STN with backlight
- Simple keypad with backlight
- Remote FW upgrading via WiFi
- Special keys: Redial, Hold and Volume control
- SIP v2 signaling protocol, RFC-3261
- POP3/SMTP E-mail access
- SMS (optional, by system default)
- Enhanced security based on WEP/WPA/WPA2
- Support WMM for QoS operation
- Embedded Site-Survey to ease WLAN search
- Multiple Line Appearance (optional)

Specifications

Software Features

- IP Address:
 - DHCP
 - Static IP
 - PPPoE
- DNS
- Signaling:
 - SIP (RFC-3261)
 - RTP/RTCP (RFC-1889)
 - TCP/UDP/IP
- Voice CODEC:
 - G.711 u-law
 - G.711 A-law
 - G.729 A/B
- Wireless Security:
 - WEP
 - WPA
 - WPA2
 - TKIP
 - Weak-key avoidance
 - AES
- DTMF Transmission:
 - In-band
 - Out-of-band RFC-2833
- Call Functionality:
 - Send/End
 - Hold/Resume
 - Call Transfer
 - Call Mute
 - Call Waiting
- Phone Book:
 - 100 records
- Call History:
 - Answered Calls: 20
 - Unanswered Calls: 20
 - Outgoing Calls: 20
- Ring Tone:
 - 7-step volume control
 - Polyphonic ring tones
- Receive:
 - 7-step volume control
- Wallpaper:
 - 5
- Language (Display Only):
 - English
 - Chinese (optional):
- Text Input:
 - English

Hardware and Physical Specification

- Dimensions (estimated): 112.9(L) x 48.7(W) x 27.3(H) mm
- LCD: 1.8" C-STN, 128x160 pixel, 65k colors
- Antenna: External Antenna
- Data/power recharge port: USB 1.1
- Battery: Li-ion, 900mAh nominal
- Power Supply: External Power Adapter or mini-USB cable
- Ear Phone Jack: 2.5 mm standard 3-segment jack
- Weight: 106 g

Environmental Requirement

- Operating Temperature: 0 ~ 40°C
- Storage Temperature: -20 ~ 65°C
- Operating Humidity: 10% ~ 80% (Non-condensing)

Certifications

- EMI Certification:
 - FCC (US)
 - CE (Europe)
 - JATE (Japan)
- WiFi Compliance:
 - WiFi Class 2.4 GHz 802.11b/g (TBD)

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