

# WLAN Phone Specification

## Wireless Characteristic

- Signal type : 802.11b/g
- 802.11b Data Rate : 1, 2, 5.5, 11 Mbps
- 802.11g Data Rate: 6, 9, 12, 18, 24, 36, 48, 54 Mbps
- Operating Frequencies:
  - USA/Canada: 2.412 GHz-2.462 GHz (11 channels)
  - Europe: 2.412-2.472 GHz (13 channels)
  - Japan: 2.412-2.472 GHz and 2.484 GHz (14 channels)

## VoIP Protocol

- IETF SIP (RFC3261)

## LCD Display

- LCD Type: Color LCD
- Display size (Diagonal): 1.8 inch
- Display Color: 65,536 colors
- Resolution: 128x 160
- Backlight: LED

## Key Pad

- 24keys
- One 5 direction navigation paddle

## Call Features

- Call Hold
- Call Mute
- Call Retrieve
- Call Transfer (Unattended / Blind & Attended)
- Call Waiting
- Call Forward (Busy / No Answer / Unconditional)
- Caller ID Display
- Anonymous Call
- Anonymous Call Blocking
- In band DTMF / Out-of-band DTMF(RFC 2833) / SIP INFO
- Message Waiting Indicator
- Redial

## Codec

- G.711μ-law
- G.711a-law
- G.723.1 (5.3k/6.3k)(Optional)
- G.729a/b

## Phone Functions

- Ring tone/Vibrator switch
- Key lock
- Pre-dial before sending
- Handset / Ring Volume adjustment
- Speed dial (10 records)
- Phone book (200 records)
- Call history (Incoming calls / Outgoing calls / Missed calls)

## Advanced Applications

- Calendar
- Calculator
- Message

## Security

- HTTP 1.1 basic/digest authentication for Web setup
- MD5 for SIP authentication (RFC 2069/ RFC 2617)
- IEEE 802.1x
- WEP 64/128 bit encryption
- WPA

## Dial Methods

- Direct IP call without SIP registration
- Dial registered number via SIP server
- Dial URI from phone book / speed dial

## Voice Quality

- VAD (Voice Activity Detection)
- CNG (Comfort Noise Generation)
- AEC (Acoustic Echo Cancellation)
- G.168

## Tone

- DTMF
- Ring Tone, 32 polyphonic tones
- Ring Back Tone (local and remote)
- Dial Tone

- Busy Tone
- Key Tone

## IP Assignment

- Static IP
- DHCP

## NAT Traversal

- UPnP
- STUN
- Manual Input

## TCP/IP

- IP/TCP/UDP/DHCP/RTP/FTP/ICMP/HTTP/SNTP/TFTP/DNS

## Configuration

- Key & LCD configuration
- Web browser configuration
- Auto/Manual provisioning system

## Firmware Upgrade

- TFTP
- Auto/Manual provisioning system

## Accessory

- Power adapter: Input AC 110-220V / Output DC 5V 1.4A
- Cradle charger(Optional)

## Battery

- Rechargeable battery: 3.7V, 1450mAh Li-Polymer
- Talking time: 4 hours
- Standby time: 70 hours

## Environmental

- Operating temperature: 0~40°C
- Storage temperature: -20~60°C
- Operating humidity: 20%~80%

## Physical Dimensions

- Size: 105(L) x 45(W) x 19(H) mm
- Weight: 100 g (TBD)
- Color: White/ Orange

## Certification Compliance

- FCC Part 15 B / 15C
- CE Class B
- VCCI Class B, TELEC
- SAR
- EN60950

