# apivio
EMERGING VOICE

# Liberty L2

Dual Band Wi-Fi Network Portable Phone
Secure Voice Communications

**HD** VOICE  **2.4** G  **5** G

*Shown with optional base charger.*

The Liberty L2 is a modern design and stylish business Wi-Fi phone which provides excellent mobility with fast and seamless roaming. Compliant with IEEE802.11a/b/g/n, the Liberty L2 supports HD Codec G.711.1 and G.722 for crystal clear voice quality seamless communication.

More importantly, the Liberty L2 provides better calling security over any of today's smartphone VoIP Apps in the market.

## ● Full-Duplex Speaker Phone

Liberty L2 provides full-duplex speaker phone feature to be used in various environments, so users can enjoy convenient hands-free talking.

## ● Screen Text Input Mode

In order to offer convenient text input method, Liberty L2 presents a new screen text input mode which is expanded as keyboard on the LCD screen.

## ● High Capacity Battery

To offer longer talk-time and increased standby-time, Liberty L2 comes equipped with a Li-ion, 1500mA rechargeable battery.

## ● Web Authentication via Web Browser

Liberty L2 is not only for indoor Wi-Fi but also any available Wi-Fi hotspot, so users can make VoIP calls by connecting to the nearest mobile network through the automatic Web authentication on the Web browser of the device.

## ● Unified Management Service via ARS (CLive)

For more efficient management, Liberty L2 provides additional services such as Software upgrades, a Troubleshooting guide, a Message Push Service, etc through our own ARS (Auto Registry System) named CLive.
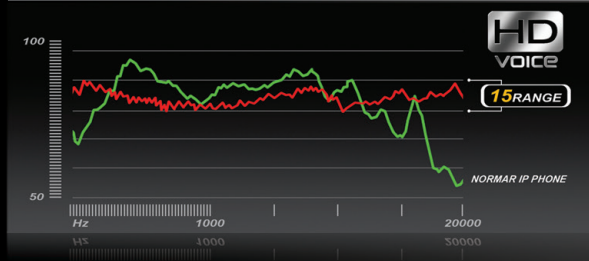
## ● Features

· Dual Band 2.4GHz & 5GHz
· Standard SIP (RFC3261)
· Multi-Line (2 accounts)
· Push-to-Talk (PTT)
· Full-Duplex Speaker Phone
· Service Management with ARS (Auto Registry System) via CLive
· Screen Text Input Method
· Web authentication via Automatic Web Browser
· Earphones (w/3.5$\phi$, 4pole type)
· Battery: Li-ion, 1500mA
· Stand by Time: 100 Hr
· Talk time: 5 Hr
· Charging Cradle (optional)
· Silicone Rugged Case with Belt Clip (optional)

# Dual Band Wi-Fi Phone

》 Wi-Fi Phone supporting both 2.4G and 5G
》 Convenient User Interface
》 2.4 Inch Color LCD to maximize ease of use
》 Field proven stability from major carriers

▼ High Definition Voice Technology



## ● Specifications

### ▼ Call Function

· Call Forwarding
· Call Hold
· Call Screen/Do Not Disturb
· Call Pickup
· Call Transfer
· Call Waiting
· 3 way Conference Call
· Multi-Line (Limit to 2 Accounts)
· Full-Duplex Speaker Phone
· Instant Messaging*
· Push-to-Talk (PTT)*
* Confirm with Service Provider

### ▼ IP Network

· Wireless Access Protocol:
  IEEE 802.11 a/b/g/n
· Static IP, DHCP
· RTP/RTCP
· QoS (IEEE802.1p, 802.11i)
· Wi-Fi Protected Access:
  WEB 64/128 WPA, WPA2
· WPA-PSK/TKIP/AES,
  WPA2-PSK TKIP/AE

### ▼ Management

· Password Protection for Admin mode
  and User mode
· ManagementProtocol:
  SNMPv2(RFC2782)
· Auto Provisioning:
  DHCP TFTP, Static TFTP, HTTP
· Remote Software Upgrade: http,tftp
· Remote Configuration
· Web-Based Management
· Service Management with ARS
  (Auto Registry System) via CLive

### ▼ SIP Protocol

· Proxy Registration and Failover
· Outbound Proxy
· Registration Timer
· SIP Transport–UDP, TCP, SIPs
· Secured Media Negotiation (sRTP)
· Realm-Based Authentication
  (Digest Authentication)
· Session Timers
· DNS query (A record, SRV, NAPTR)
· Codec Negotiation
· DTMF Relay RTP Payload (RFC 2833)
  or SIP Info
· Visual 'Message Waiting' Indicator

### ▼ Codec

· CNG (Comfort Noise Generation)
· Echo Cancellation: G.168 Compliance
· Codec Auto Negotiation
· Codecs Narrow Band-G.711uLaw/
  aLaw, G.729A/B,G.711.1,G.722
· Echo Suppression (G.164)
· Enhanced Packet Loss Concealment
· Silence Suppression (G.164)
· VAD (Voice Active Detector)
· Adaptive Jitter Buffer
· Dynamic Payload Support
· Adjustable Audio Frames per Packet
· Flexible Dial Plan Support with
  Inter-Digit Timers

### ▼ DTMF / Ring Signal

· DTMF (Dual-Tone Multi-Frequency)
· Multiple Ring Tones
· Call Progress Tone Generation
  (Dial Tone, Busy and Audible Ring Back)
· DTMF Generation

### ▼ Software Features

· Linux Kernel 2.6.29
· MMS
· Reset to Factory Default
· Text Editor: ABC, Screen Text Input
  Method
· Web Authentication via Automatic Web
  Browser Execution
· SMS, Long Message Service (160 Bytes)*
* Confirm with Service Provider

### ▼ Hardware Specification

· 2.4 inch, 65K, TFT QVGA 240X320
· CPU: DSPG DMW74 (ARM9240Mhz)
· IEEE 802.11 a/b/g/n
· 64MB SDRAM, 256MB NAND
· Metal Dom Keypad with Back Light
· Key: 12 Alphanumeric Keys,
  8 Function Keys, 5 Navigation Keys,
  2 Side Keys (Up/Down),
  2 Send/End-Power Keys
· Battery: Li-ion, 1500mAh, Inner Pack Type
· Charging Time - Under 3 Hrs
· Standby Time - At least 55 Hrs
· Talk Time - Up to 4 Hrs
· Power: 5V DC, 2A
· Operating Temp:-10~50℃
· Storage Temp:-30~60℃
· Humidity:10~95% (Non-Condensing)
· RF channel
  (2.4G-13Channel/5G-19Channel)
· Audio Interface: Built-in Microphone,
  Receiver and Speaker, Support for
  Earphones (w/3.5φ, 4 pole Type-
  American Standard)
· Alarm: Ringer/Vibration
· Options: Charging Cradle, Belt Clip and
  Rugged Case
· Model No.: WP300S