



### **Mobility and Availability**

WP520 design is based on SIP v2 (Session Initiation Protocol version 2, RFC 3261) open standard, which is interoperable with major SIP-based call servers, IP-PBXs, and other standard SIP-based client devices. WP520 is compliant with the IEEE 802.11b/g standard and interoperates with any existing 802.11b or 802.11g wireless AP and gateway. It may be used as a cordless handset for residential users or for business users in an office environment. The small form factor of the handset is easy to transport and allows users to place VoIP phone calls in public 802.11-based environment.

### **High Voice Quality with Low Communication Cost**

Being capable of QoS (Quality of Service) feature, WP520 allows gateways or central side equipment to identify and prioritize voice and data traffic. WP520 also effectively reduces bandwidth consumption caused by voice traffic with supporting G.711 and G.729 voice compression technology.

### **Security Protection**

WP-520 supports WEP, WPA and WPA2 security protection.

### **Ultra Low power consumption**

With WMM-APSD enabled, WP-520 reduce the power consumption to extreme low level. (Average power consumption with WMM-APSD mode enabled is less than 150mA)

| Product Description  |   |  |
|--|---|--|
| IEEE 802.11g Wireless LAN VoIP Phone   |   |  |
| Lead-Free  |   |  |
| RoHS Compliant   |   |  |
| Power Consumption  |   |  |
| Data Transmitting  | Tx 600mW @15dBm   | Rx 400mW   |
| Sleep Mode   | 300uW   |  |
| Radio  |   |  |
| Antenna  | Integrated PIFA Antenna   |  |
| Antenna Gain   | 1dBi  |  |
| Output Power (Typical)   | IEEE 802.11g<br>• 54Mbps: 13dBm   | 802.11b<br>• 11Mbps: 15dBm   |
| Sensitivity  | IEEE 802.11g @ PER 10%<br>54Mbps $\leq$ -65dBm  | IEEE 802.11b @ PER 8%<br>11Mbps $\leq$ -80dBm                          |
| Modulation   | IEEE 802.11g (OFDM)<br>64QAM, 16QAM, QPSK, BPSK   | IEEE 802.11b (DSSS)<br>CCK, DQPSK, DBPSK                               |
| Range Coverage   | IEEE 802.11g<br>• 54Mbps $\geq$ 60 Meters<br>• 11Mbps $\geq$ 120 Meters   | IEEE 802.11b<br>• 11Mbps $\geq$ 80 Meters<br>• 1Mbps $\geq$ 200 Meters |
| Operating Frequency  | USA (FCC) 11 Channels: 2.412GHz~2.462GHz<br>Europe (ETSI) 13 Channels : 2.412GHz~2.472GHz<br>Japan (ARIB) 13 Channels : 2.412GHz~2.472GHz |  |
| Hardware Specification   |   |  |
| <ul style="list-style-type: none"> <li>• Battery Configuration: 3.7V 1A Lithium Battery</li> <li>• AC adapter with mini-USB cable (rechargeable through PC &amp; power-plug)</li> <li>• 1.5" monochrome LCD, 96 * 64 pixel (without icon display area)</li> <li>• Memory Size: Flash 8MB; SRAM 2MB</li> </ul>  |   |  |
| Software Specification   |   |  |
| <ul style="list-style-type: none"> <li>• DHCP Client</li> <li>• Roaming Time: 125 mSec. (CCX)</li> <li>• QoS: WMM &amp; WMM-UAPSD Support</li> <li>• Security: 64/128/152-bits WEP; WPA-PSK/WPA2-PSK Support Based on 802.11i Standard; Hardware AES Support</li> </ul>  |   |  |
| Phone Features   |   |  |
| <ul style="list-style-type: none"> <li>• Phonebook Records for 200 Contacts; 40 Records of Received &amp; Dialed</li> <li>• Vibration &amp; Silent Mode Setting Support</li> <li>• Supported Codecs: G.711, G.729 a/b</li> <li>• Acoustic Echo Cancellation &amp; Jitter Buffer Control</li> <li>• Call Features: Call Hold; Call Mute; Call Redial; Caller ID; Call Log</li> <li>• Other Features: Calendar; Calculator; Key lock; Stopwatch</li> </ul> |   |  |
| Physical Specification   |   |  |
| Dimension  | 110mm(L)*125mm(W)*30mm(H)   |  |
| Weight   | 200g (approx.)  |  |
| Environmental Specification  |   |  |
|  | Temperature (Ambient)   | Humidity (Non-condensing)  |
| Operating  | 0~40°C  | 90%  |
| Storage  | -10~65°C  | 5~95%  |
| Warranty   |   |  |
| 12 Months  |   |  |