



# WP520

## IEEE802.11b/g Wireless LAN VoIP Phone

Call Virtually Anywhere in the World through a Wireless Network with High-Speed Internet Connection

High voice quality with low communication cost

Compliant with IEEE802.11b/g standard • WEP, WPA-PSK (TKIP , AES), WPA2 Security

Support Auto Provisioning for ease of deployment\* • WMM-APSD – Low Power Consumption

Support Roaming Function



### 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

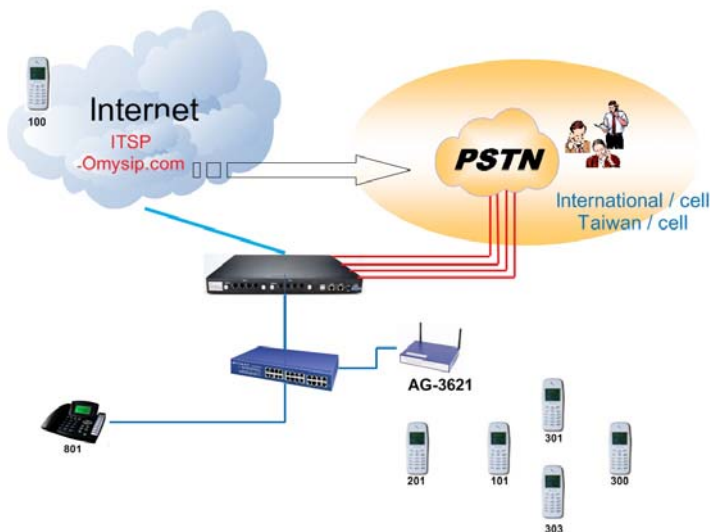
Being capable of QoS (Quality of Service) feature, WP520 allows gateways or central side equipment to identify and prioritize voice and data traffic. WP520 also effectively reduces bandwidth consumption caused by voice traffic with supporting G.711 and G.729 voice compression technology.

### Security Protection

WP520 supports WEP, WPA and WPA2 security protection.

### Ultra Low power consumption

With WMM-APSD enabled, WP520 reduce the power consumption to extreme low level. (Average power consumption with WMM-APSD mode enabled is less than 150mA)



*Fly to Anywhere™*

**FORMOSA**  
Wireless Systems Corp.



<b>802.11b/g WiFi VoIP Phone</b>		
<b>Power Consumption</b>		
Data Transmitting	Tx 600mW @ 15dBm	Rx 400mW
Sleep Mode	300uW	
<b>Radio</b>		
Antenna	Integrated PIFA Antenna	
Antenna Gain	1dBi	
Output Power (Typical)	IEEE 802.11g 54Mbps: 13dBm	802.11b 11Mbps: 15dBm
Sensitivity	IEEE 802.11g @ PER 10% 54Mbps $\leq$ -65dBm	IEEE 802.11b @ PER 8% 11Mbps $\leq$ -80dBm
Modulation	IEEE 802.11g (OFDM) 64QAM, 16QAM, QPSK, BPSK	IEEE 802.11b (DSSS) CCK, DQPSK, DBPSK
Range Coverage	IEEE 802.11g 54Mbps $\geq$ 60 Meters 11Mbps $\geq$ 120 Meters	IEEE 802.11b 11Mbps $\geq$ 80 Meters 1Mbps $\geq$ 200 Meters
Operating Frequency	USA (FCC) 11 Channels: 2.412GHz~2.462GHz Europe (ETSI) 13 Channels : 2.412GHz~2.472GHz Japan (ARIB) 13 Channels : 2.412GHz~2.472GHz	
<b>Hardware Specification</b>		
<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>		
<b>Software Specification</b>		
<ul style="list-style-type: none"> <li>• DHCP Client • 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>		
<b>Phone Features</b>		
<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>		
<b>Physical Specification</b>		
Dimension	110mm(L)*125mm(W)*30mm(H)	
Weight	200g (approx.)	
<b>Environmental Specification</b>		
	Temperature (Ambient)	Humidity (Non-condensing)
Operating	0~40°C	90%
Storage	-10~65°C	5~95%
<b>Warranty</b>		
12 Months		

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