The WP820 is a portable WiFi phone designed to suit a variety of enterprises and vertical market applications, including retail, logistics, medical and security. This powerful, portable WiFi phone comes equipped with integrated dual-band 802.11a/b/g/n WiFi support, advanced antenna design and roaming support, and integrated Bluetooth for pairing with headsets and mobile devices. By adding 7.5 hour talk time and HD voice with dual-MICs, the WP820 offers a powerful combination of features, mobility and durability to suit all portable telephony needs.

**WP820**

- **Dual-band WiFi** with efficient antenna design and advanced roaming support
- **Bluetooth** for syncing headsets and mobile devices (contacts and call transferring)
- **HD voice & dual MIC design** with AEC and Noise Shield Technology
- **Accelerometer and configurable button** for push-to-talk, panic and other related functions
- **Rechargeable 1500mAh battery**, 7.5 hour talk time, 150-hour standby
- **Micro USB port and 3.5mm headset jack**
- **2 SIP accounts, 2 lines**
- **Supports custom Android apps that fit the phone’s screen/keys**
### Protocol/Standards
SIP RFC3261, TCP/IP/UDP, RTP/RTCP, HTTP/HTTPS, ARP, ICMP, DNS (A record, SRV, NAPTR), DHCP, SSH, TFTP, NTP, STUN, SIMPLE, LLDP-MED, LDAP, TR-069, 802.1x, TLS, SRTP, IPv6

### Voice Codecs and Capabilities
Support for G.711µ/a, G.729A/B, G.722 (wide-band), iLBC, Opus, in-band and out-of-band DTMF (In audio, RFC2833, SIP INFO), VAD, CNG, AEC, PLC, AJB, AGC, ANS

### Graphic
2.4 inch (240x320) TFT color LCD

### Peripherals
- 3 soft keys, dial, hangup, speakerphone, phonebook, backlit keypad, proximity sensor, accelerometer, vibration motor, volume button and navigation keys

### Push-to-Talk
Customizable button for push-to-talk, panic call and other related functions

### Bluetooth
Yes, Bluetooth 4.2

### Auxiliary Ports
- 3.5 mm headset jack, Micro USB port for charging, dual-MIC, dual-color LED
- Hold, transfer, forward, 3-way audio conference, downloadable phonebook (XML, LDAP, up to 500 items), call waiting, call log (up to 100 records), off-hook auto dial, auto answer, click-to-dial, flexible dial plan, hot desking, personalized music ringtones and music on hold, server redundancy and fail-over, push to talk
- Android 7.0, supports custom Android apps that fit the phone's screen/keyboard
  *When using Android applications, limitations may apply. No touch-screen available, only physical-key browsing on small LCD 320x240 screen.*

### Security
User and administrator level passwords, MD5 and MD5-sess based authentication, 256-bit AES based secure configuration file, SRTP, TLS, 802.1x media access control

### HD Audio
Yes, both on handset and speakerphone with support for wideband audio, HAC supported

### QoS
Layer 2 (802.1p), 802.11e and Layer 3 (ToS, DiffServ, MPLS) QoS

### Multi-language
English, Arabic, Chinese, Czech, Dutch, German, French, Hebrew, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Turkish and more

### Upgrade/Provisioning
Firmware upgrade via TFTP/HTTP/HTTPS, mass provisioning using TR-069 or encrypted XML configuration file, manual upload, USB upgrade

### Power & Green Energy Efficiency
Universal power adapter included  
Input: 100-240VAC; Output: +5VDC, 1A (5W)  
1500mA Li-ion battery, 150h standby time and 7.5h talk time

### Physical
- Headset dimensions: 168.5 x 52.5 x 21.8mm  
- Charger cradle dimensions: 76 x 73 x 81mm  
- Handset weight: 161g  
- Handset package weight (not including QIG): 456g

### Temperature and Humidity
- Operating Temperature: 0ºC to 45ºC; Operating Humidity: 10-90% (non-condensing)  
- Storage Temperature: -20ºC to 60ºC; Storage Humidity: 10%-90% (non-condensing)

### Package Contents
- Handset unit, universal power supply, charger cradle, belt clip, 1 Li-ion battery, Quick Start Guide

### Durability
Drop-safe from 1.2 meter height

### Compliance
FCC, CE, RCM, EAC

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