GRANDSTREAM
CONNECTING THE WORLD

Enterprise Portable Wi-Fi Phone
WP820

The WP820 is a portable Wi-Fi phone designed to suit a variety of enterprises and vertical market applications, including retail, logistics, medical and security. This powerful, portable Wi-Fi phone comes equipped with integrated dual-band 802.11a/b/g/n Wi-Fi 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.

Dual-band Wi-Fi with efficient antenna design and advanced roaming support
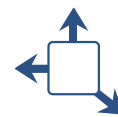
Bluetooth for syncing headsets and mobile devices (contacts and call transferring)

HD voice & dual MIC design with AEC and Noise Shield Technology

Rechargeable 1500mAh battery, 7.5 hour talk time, 150-hour standby

Accelerometer and configurable button for push-to-talk, panic and other related functions

Micro USB port and 3.5mm headset jack

2 LINES

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, 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
Wi-Fi	Yes, integrated dual-band Wi-Fi 802.11 a/b/g/n/ac (2.4GHz & 5GHz)
Wi-Fi Encryption	WEP, WPA/WPA2, WPA Enterprise
Graphic	2.4 inch (240x320) TFT color LCD
Peripherals	3 soft keys, dial, hangup, speakerphone, phonebook, backlit keypad, proximity sensor, accelerator, 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
Telephony	Hold, transfer, forward, 3-way audio conference, downloadable phonebook (XML, LDAP, up to 1000 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 ring-tones and music on hold, server redundancy and fail-over, push to talk
Operating System	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	802.11e (WMM) 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