Cordless Wi-Fi IP Phone

WP816

The WP816 is a cordless Wi-Fi IP phone suitable for many enterprise and vertical market applications, including offices, retail, logistics, healthcare, security, and more. This streamlined cordless Wi-Fi phone is equipped with integrated dual band Wi-Fi 6, an advanced antenna design, roaming support, 3-way voice conferencing, and support for the Opus HD voice codec. The WP816 provides 6 hours of talk-time and 120 hours of standby time through a 1500mAh battery. By providing a sleek design, easy-to-use interface, and a variety of practical, customizable features, the WP816 provides mobility and flexibility to all voice solutions.

WiFi 6
Dual-band Wi-Fi 6 with efficient antenna design and advanced roaming support

2 LINES
2 SIP accounts, 2 lines

HD
HD voice & dual MIC design with AEC and Noise Shield Technology
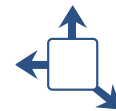
Integrated Bluetooth to connect headsets

Rechargeable 1500mAh battery, 6 hour talk time, 120-hour standby

Configurable button for push-to-talk

Type C USB port (supports fast charging) and 3.5mm headset jack

Accelerometer, emergency button

Protocol/Standards	SIP RFC3261, DNS (A record, SRV, NATPR), DHCP, SSH, NTP, STUN, LDAP, TR069, SNMP, STRP, RTP/RTCP, RTCP-XR, TFTP, SIMPLE, HTTP/HTTPS, TCP, UDP, TLS, ARP, ICMP, IPv4, IPv6, 802.1x
Voice Codecs and Capabilities	G.729A/B, G.711µ/a-law, G.726, G.722(wide-band), G.723,iLBC, Opus, in- band and out-of-band DTMF (in audio, RFC2833, SIP INFO), VAD, AEC, CNG, PLC, AGC, AJB, Headset Noise Shield
Wi-Fi	Yes, integrated dual-band Wi-Fi 6 802.11 a/b/g/n/ac/ax (2.4GHz & 5GHz). 802.11k/r/v Supported
Wi-Fi Encryption	Support WEP, WPA, WPA2, WPA3 (personal)
Graphic	1.77 inch (128x160) color LCD, 1 * Dual color MWI
Bluetooth	Yes, integrated
Peripherals	2 soft keys, navigation keys, confirm key, dial key, hang up key, speaker key, programmable key, quick access and mute key, backlight DTMF keyboard, volume keys, Push-to-Talk key, accelerometer, proximity sensor
Push-to-Talk	Customizable function button for alarm (pending) and paging
Auxiliary Ports	3.5mm headphone interface (CTIA cable sequence), Type-C charging interface (supports fast charging)
Telephony	Hold, transfer, forward, 3-way audio conference, call park, downloadable phonebook (XML, LDAP, up to 1000 items), call waiting, call log (up to 200 records), auto answer, click to dial, flexible dial plan, personalized music ringtones, server redundancy and fail-over, push-to-talk
Wall Installation	Base supports wall installation
Security	Ordinary user and administrator level passwords based on MD5 and MD5 sess authentication, SIP authentication algorithms based on SHA-256, SHA-256 sess, SHA-512-256, SHA-512-256 sess, md5 sess. AES security profile, SRTP, TLS call encryption, 802.1x media access control.
HD Audio	The earpiece is broadband audio, and the speaker is narrowband audio, supporting HAC and dual Mic.
QoS	Supports Layer 3 QoS (Tos, DiffServ, MPLS, DSCP)
Multi-language	Simplified Chinese, Traditional Chinese, English, Arabic, Catalan, Czech, German, Greek, Spanish, French, Hebrew, Croatian, Magyar, Italian, Japanese, Korean, Latvian, Dutch, Polish, Portuguese, Russian, Swedish, Slovenian, Slovak, Turkish, Ukrainian
Upgrade/Provisioning	Firmware upgrade via FTP / FTPS / TFTP / HTTP / HTTPS, mass provisioning using GDMS/TR069 or AES encrypted XML configuration file
Power & Green Energy Efficiency	Universal power adapter Input: 100-240VAC; Output:+5VDC, 1A (5W) 1500mAh lithium-ion battery, standby time 120h, talk time 6h (laboratory data)
Physical	Handset dimensions: 135.00 x 49.00 x 15.5mm Charger cradle dimensions: 85.00 x 85.00 x 25.8mm Handset weight (not including battery): 82g Handset package weight (not including QIG): 389g
Temperature and Humidity	Operating Temperature: 0℃ to 45℃; Operating Humidity: 10-90% (non-condensing) Storage Temperature: -20℃ to 60℃; Storage Humidity: 10-90% (non-condensing)
Package Contents	WP816 phone, Type-C power adapter, charger base, belt clip, 1 lithium-ion battery, M3 screw, wall bracket, quick installation guide
Compliance	FCC, CE, RCM, IC