Portable Wi-Fi Phone W620W

LINKVIL W620W is a portable enterprise-grade Wi-Fi IP phone, specifically designed to meet modern mobile office requirements. Built-in Bluetooth 5.0 and dual-band 2.4GHz/5GHz Wi-Fi 6, combined with advanced seamless roaming technology, it delivers stable and efficient communication performance even in dynamic wireless network environments.

W620W supports 6-way voice conferencing and a 1.8-meter drop-resistant design. Additionally, it features a high-definition speaker and a high-sensitivity dual-microphone system with dual-mic noise reduction algorithms, ensuring crystal-clear calls even in noisy environments.

Powered by a built-in 3000mAh high-capacity battery, it offers up to 13 hours of talk time and 240 hours of standby time, significantly enhancing work continuity and flexibility.

Ideal for various mobile office scenarios such as office buildings, hotels, shopping malls, and security patrols, the W620W is the perfect choice for enterprises looking to improve mobile communication efficiency.



1.8m Drop Resistance | Wi-Fi 6 | Roaming | PTT Button | Large Capacity Battery | H.264

Highlight

- 2.4" 240 x 320 color screen with intuitive user interface;
- Drop-resistant height of 1.8 meters, sturdy and durable;
- Supports H.264 up to 4 CIF video decoding, allowing users to monitor the status of the other party in real-time during the call;
- Built-in dual-band Wi-Fi 6 (2.4GHz/5GHz) delivers superior anti-interference capability and faster speeds;
- Support IEEE802.11k/v/r roaming;
- Support WPA / WPA2-PSK / WPA3 and 802. 1X EAP encryption to ensure communications security;
- Built-in Bluetooth 5.0 can be used to connect wireless earphone;
- Supports Type-C digital headphones, delivering clearer sound quality and more stable connectivity;
- Dual-microphone noise reduction effectively suppresses ambient noise, ensuring a clear call experience;
- The side-mounted PTT button enables one-key intercom for fast and efficient audio transmission;
- Equipped with a 3000mAh high-capacity removable battery, it delivers long-lasting performance with up to 13 hours of talk time and 240 hours of standby time;

*Battery data based on test conditions: Connected to 3CX PBX with SIP registration, device in default configuration standby mode

Specifications

Generic

- 2.4-inch 240*320 high-definition LCD display
- 8 SIP lines
- Handset/Hands-free/Headset Mode
- Support custom DSS keys
- HD Voice
- Vibration Function
- Belt clip
- Desktop charging base
- Standard type-c interface
- USB 2.0 protocol, Type-C interface
- Rechargeable Lithium Battery
- Support Wi-Fi 6
- Support Bluetooth 5.0
- Support multi language

Phone Features

- Network time synchronization
- Local contacts （1000 entries）
- Remote Phonebook (XML/LDAP)
- Multi-language optional
- Call logs (1000 entries)
- Blocked List/Allowed List
- Screen saver
- Personalized ringtone settings
- Screen backlight adjustment
- Memorandum
- SMS service
- Voicemail（MWI）
- Menu encryption settings
- Keypadlock/ backlight adjustment
- Volume adjustment

Call Features

- Auto-Answering
- Call out/Answer/Reject
- Call waiting/Switch
- Call forwarding
- Speed Dial
- Intercom
- Anonymous Call (Hide Caller ID/Ban Anonymous call)
- 6-way Audio Conference
- Direct IP call without SIP proxy
- Emergency Call
- Caller ID Display
- Call logs
- Do-Not-Disturb(DND)/Timed DND
- PTT One-Touch Call
- Self-adaptive light-sensing screen off (during a call on the handset)

Audio

- Narrowband Codec: G.711A/U,G.726,G.723.1.G.729,G.729A,G.729B, G.729AB，iLBC
- Wideband Codec: G.722， Opus
- Acoustic Echo Cancellation (AEC)- maximum 96ms echo delay cancellation
- Voice Activity Detection（VAD）/ Comfort Noise Generation（CNG）/ Background Noise Estimation (BNE)
- Packet Loss Concealment
- Dynamic adaptive jitter cache up to 300ms
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- DTMF: In-band, Out-of-Band – DTMF-Relay(RFC2833) / SIP INFO

Video

- Video decoding: H.264
- Video resolution: Up to 4 CIF

Network

- Built-in Wi-Fi, support 802.11 a/b/g/n/ac/ax protocol:
2.4GHz IEEE 802.11 b/g/n/ax
5GHz IEEE 802. 11a/n/ac/ax
- Encryption: WPA /WPA2-PSK /WPA3, 802. 1X EAP
- Built-in Bluetooth 5.0 module

Power Management

- Charging indication
- Full battery indication
- Low battery indication
- Auto power - on triggered by charging after an abnormal shutdown
- Real-time battery level statistics/display

Protocols

- RTP/RTCP/SRTP
- STUN
- DHCP
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069
- TLS 1.2/TLS 1.3

Deployment & Maintenance

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PnP/TR-069
- Web management interface
- Web-based Packet-dump
- Configuration export/import
- Firmware upgrade
- Syslog

Physical Specifications

- Drop height: 1.8m
- Shell material: plastic shell, two-color injection molding
- Charging Base x1
- Belt Clip x1
- Rechargeable Battery x1 3000mAh
- DC input: 5V/2A
- Charging Methods: Charging base and Type-C Charging
- Headphone jack: Type-C Port
- Installation method: Belt Clip /Desktop
- Operating temperature: 0℃~ 45℃
- Storage temperature:-20℃~ 60℃
- Relative humidity:10~95%
- Product size: 160*53*16mm
- Product weight: 268g
- Certificates: CE/FCC/RoHS
- Box size: 172*68*105mm
- Outer box size: 297*228*364mm（16PCS）