

### A Well-Rounded Wi-Fi IP Phone for Clear Communications

The AX86R is an enterprise portable Wi-Fi IP color screen phone that meets wireless communication needs. The AX86R meets the IP67 protection standard, effectively providing waterproof, dustproof, and 1.8-meter drop-proof capabilities. The AX86R supports registering up to 4 SIP accounts, 5-way local conferencing, and features a 2.4-inch color display. It integrates Yealink's Optima HD Audio and Smart Noise Cancellation technology to deliver exceptional audio quality and clear voice communication. It is equipped with a built-in Bluetooth 5.0 module and a dual-band 2.4G/5G Wi-Fi 6 module, combined with advanced seamless roaming technology, allowing you to stay ahead in the ever-evolving wireless era. In addition, AX86R is equipped with a 3100mAh battery, providing a talk time of 13 hours and a standby time of 300 hours. It is widely used in various wireless scenarios such as SMEs, offices, warehouses, supermarkets, and hotels.



IP67



Wi-Fi 6



Roaming



HD Audio



Smart Noise Cancellation



Bluetooth 5.0



Alarm Feature



Quick Charge



Vibration



3.5mm Headset Jack



Belt Clip



Type-C



### Key Features and Benefits

#### Seamless Roaming Technology, Move Freely

Dual-band Wi-Fi 6 has better anti-interference and faster speed, allowing you to stay ahead in a busy data environment. It supports IEEE802.11 k/v/r fast roaming protocol to achieve automatic network switching in milliseconds. It has built-in Bluetooth 5.0 for Bluetooth headsets, freeing your hands and enabling a freer and more creative way of mobile office collaboration.

#### Yealink Optima HD Audio and Smart Noise Cancellation Technology, Effective Communication

AX86R provides distraction-free communications with industry-leading Optima HD Voice, Smart Noise cancellation and Acoustic Shield Technology, which delivers excellent sound quality without extraneous noises and allows fluent conversations. Its hearing aid compatible (HAC) handset helps the person who is with hearing loss to hear the voice more clearly.

#### Unified Management, Easy Maintenance

Yealink AX series Wi-Fi phones use unified firmware and support unified management through the Yealink Device Management Platform(YDMP), which greatly simplifies management and maintenance costs and facilitates management, upgrades, and maintenance. Additionally, it supports quick network setup through QR code scanning and allows for bulk sharing of Wi-Fi networks over the air, enhancing deployment efficiency.

- IP67-rated waterproof and dustproof, drop-proof up to 1.8 meters
- 2.4" 240x320 TFT color screen
- Up to 13-hour talk time (in ideal conditions)
- Up to 300-hour standby time (in ideal conditions)
- Dual Band 2.4G/5G Wi-Fi 802.11 a/b/g/n/ac/ax
- Support IEEE802.11k/v/r roaming
- Bluetooth 5.0 for headset
- HD audio, noise cancellation and acoustic shield
- TRANS and Mute keys, 11 configurable keys
- Up to 4 SIP accounts
- Local 5-way conferencing
- No Perception Upgrade
- Type-C charging
- Wall mountable and stand mountable
- Support YDMP/YMCS

### Audio Features

- Optimal HD audio: HD handset, HD speaker
- Hearing aid compatible (HAC) compliant
- Acoustic Shield
- Audio codec: G.722, PCMU (G.711μ), PCMA (G.711A), G.729, G.729A, G.729B, G.729AB, G.726, G.723.1, iLBC
- DTMF: In-band, Out-of-band (RFC 2833) and SIP INFO
- Full-duplex hands-free speakerphone with AEC
- Dual Noise-Canceling Microphones
- Smart Noise Cancellation Technology
- VAD, CNG, AEC, PLC, AJB, AGC

### Display and Indicator

- 2.4" 240x320 TFT color screen
- Keypad backlight
- Vibration
- Wallpaper and screensaver
- LED for call and message waiting indication
- Multilingual user interface
- Caller ID with name, number, and avatar

### Phone Features

- 4 VoIP accounts
- Speed dial, redial
- Call hold/call transfer/call waiting/call forward
- Emergency call
- Mute, DND
- Auto answer
- Hotline
- Recall
- Local 5-way conferencing
- Direct IP call without SIP proxy
- Ring tone selection/import/delete
- Set date time manually or automatically
- Dial Plan, XML Browser, Action URL/URI
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- Customizable softkey

### Peripherals

- Support Bluetooth headset
  - Basic functions: answer/end/mute call
  - Enhanced functions: redial/call hold/volume adjustment two-way synchronization

### IP-PBX Features

- Anonymous call, anonymous call rejection
- Intercom
- Multicast paging
- Call completion
- Message Waiting Indicator (MWI)

- Call park, call pickup
- Call recording
- Voice mail

### Directory

- Local phonebook up to 1000 entries
- Black list
- XML/LDAP remote phonebook
- Google Contacts
- Smart dialing
- Phonebook search/import/export
- Call history: All call/dialed/received/missed/forwarded

### Feature keys

- 3 soft keys
- 6 function keys: dial, hang up, hands-free, voice message, mute, call transfer
- Navigation key and OK key
- Volume control keys
- Alarm Key
- PTT Key

### Interface

- 1 x 3.5 mm headset jack
- 1 x Type-C port

### Management

- Configuration: browser/phone/auto-provision
- Auto provision via FTP/TFTP/HTTP/HTTPS for mass deploy
- Auto-provision with PnP
- TR-069
- Phone lock for personal privacy protection
- Reset to factory, reboot
- Package tracing export, system log
- Supports Yealink Device Management Platform (YMDP/YMCS)

### Network

- Built-in dual-band Wi-Fi:
  - Network standard: 2.4G&5G IEEE802.11a/b/g/n/ac/ax
  - Frequency range: 2.4 GHz/ 5.0 GHz
  - Roaming: IEEE802.11 k/r/v
- Built-in Bluetooth 5.0:
  - Connecting to Bluetooth Headset
- IPv4/IPv6
- SIP v1 (RFC2543), v2 (RFC3261)
- Call server redundancy supported
- NAT traversal: STUN mode
- SIP link mode: Proxy mode and peer-to-peer
- IP Assignment: static/DHCP
- HTTP/HTTPS web server

- Time and date synchronization using SNTP
- UDP/TCP/DNS-SRV (RFC 3263)
- QoS: Layer 3 ToS DSCP, 802.11e/WMM

### Security

- SRTP for voice
- TLS1.3 support
- HTTPS certificate manager
- AES encryption for configuration file (AES256)
- Digest authentication using MD5/MD5-sess
- OpenVPN, IEEE802.1X
- WPA, WPA2, WPA3
- Secure boot
- GARP (Generic Attribute Registration Protocol)

### Power

- Power adapter: AC 100~240V input and DC 5V/2A output

### Environmental Factors

- Operating humidity: 10%-95%
- Operating temperature: 0 to 40°C (+32 to 104°F)
- Storage temperature: -30 to 70°C

### Other Physical Features

- Safe drop height: 1.8 m
- Protection rating: IP67
- Chemical cleaning resistant
- Antibacterial design
- Battery: 3100mAh, Rechargeable Lithium-ion Battery, 3.7V, 11.47Wh
  - Up to 13-hour talk time (in ideal conditions)
  - Up to 300-hour standby time (in ideal conditions)

### Package Features

- Handset Size: 160.1 x 55.3 x 25.85 mm
- Handset Weight: 218 g
- Giftbox size: 181x 104x 90 mm
- Carton Meas: 473x 443x 198 mm
- Qty/CTN: 20 PCS
- G.W/CTN: 9.848 kg
- N.W/CTN: 9.02 kg
- Package Contents
  - Yealink AX86R Phones
  - Charger Cradle
  - Rechargeable Battery
  - Belt Clip
  - Quick Start Guide
  - Power Adapter

### Compliance



## About Yealink

Yealink (Stock Code: 300628) is a global-leading provider of Unified Communication & Collaboration Solutions specialized in video conferencing, voice communications, and collaboration, dedicated to helping every person and organization embrace the power of "Easy Collaboration, High Productivity".

With best-in-class quality, innovative technology, and user-friendly experiences, Yealink is one of the best providers in more than 140 countries and regions, ranks No.1 in the global market share of IP Phone, and is the Top 5 leader in the video conferencing market (Frost & Sullivan, 2021).

For more information about Yealink, click [here](#).

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## Technical Support

Visit Yealink WIKI (<http://support.yealink.com/>) for firmware downloads, product documents, FAQ, and more. For better service, we sincerely recommend you to use Yealink Ticketing system (<https://ticket.yealink.com>) to submit all your technical issues.



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