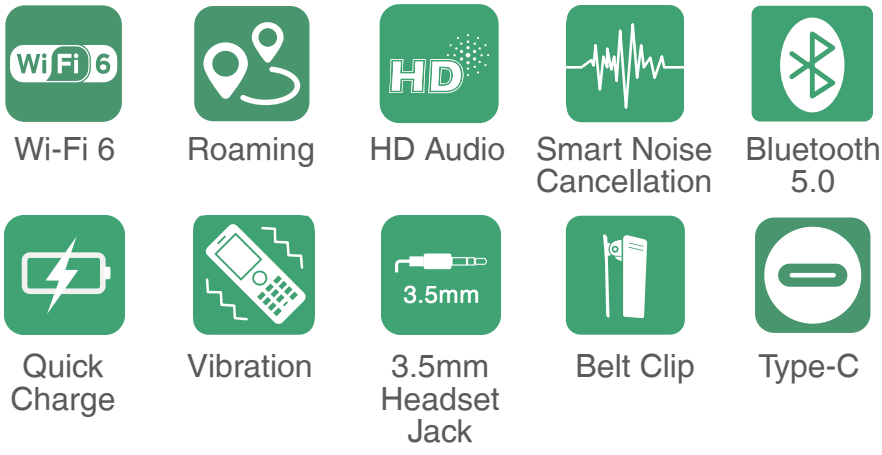
Yealink

AX83H

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

AX83H is an enterprise portable Wi-Fi IP color screen phone that meets wireless communication needs. The AX83H supports registering up to four SIP accounts 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, AX83H is equipped with a 2000mAh battery, with a talk time of 9 hours and a standby time of 200 hours. It is widely used in various wireless scenarios such as SMEs, offices, warehouses, supermarkets, and hotels.



Key Features and Benefits

Seamless Roaming Technology, Move Freely

Wi-Fi provides mobility and flexibility in any location with the necessary infrastructure. Dual-band Wi-Fi6 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. Good coverage range and fast roaming enable seamless AP (Access Point) switching without experiencing disconnections. 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

AX83H provides distraction-free communications with industry-leading Optima HD Voice and Smart Noise Filtering 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.

- 2.4" 240x320 TFT color screen
- Up to 9-hour talk time (in ideal conditions)
- Up to 200-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 and noise cancellation
- TRANS and Mute keys, 9 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

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Specifications

Audio Features

- Optimal HD audio: HD handset, HD speaker
- Hearing aid compatible (HAC) compliant
- 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
- 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

- 2 soft keys
- 6 function keys: dial, hang up, hands-free, voice message, mute, call transfer
- Navigation key and OK 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/1.2A output

Environmental Factors

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

Package Features

- Handset size: 151.0 x 49.5 x 21 mm
- Handset weight: 126 g
- Giftbox size: 181 × 104 × 90 mm
- Carton meas: 464 × 434 × 198 mm
- Qty/CTN: 20 PCS
- G.W/CTN: 8.03 kg
- N.W/CTN: 7.36 kg
- Package contents
  - -Yealink AX83H Phones
  - -Charger Cradle
  - -Rechargeable Battery
  - -Belt Clip
  - -Quick Start Guide
  - -Power Adapter

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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