Yealink AX83H Datasheet

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 wireless scenarios such as SMEs, offices, warehouses, supermarkets, and hotels.

Key Features and Benefits

- 2.4" 240x320 TFT color screen
- Up to 9-hour talk time (Laboratory data)
- Up to 200-hour standby time (Laboratory data)
- 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

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 a smartphone and allows for bulk sharing of Wi-Fi networks over the air, enhancing deployment efficiency.

Specifications

Specifications	Description
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 and 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 • Blocklist • XML/LDAP remote phonebook • Google contacts • Smart dialing • Phonebook search/import/export • Call history: All calls/dialed/received/missed/forwarded
Feature Keys	• 2 soft keys • 6 function keys: dial, hang up, handsfree, 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 deployment • 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