X306 Easy-to-use IP Phone

Fanvil X306 easy-to-use IP phone is a high-performance terminal device that integrates intelligent communication, user-friendly operation, and multi-scenario adaptability. It features a 3.5-inch high-definition color screen and big buttons, combined with Braille markings on the numeric keypad and a simple, intuitive UI layout, delivering a clear and straightforward interactive experience. Equipped with a 5W high-volume speaker and a 5-meter long-distance pickup function, it ensures clear and smooth calls in various environments.

The X306 supports dual SIP lines and 4 DSS keys , offering flexible service configuration capabilities. It includes a distinctive red key that supports customized speed dialing, which can be used for emergency contact calls or one-touch dialing of frequently used numbers, further enhancing convenience and safety. Built-in 2.4GHz/5GHz dual-band Wi-Fi 6 and Bluetooth 5.0 modules provide a high-speed and stable wireless connection experience.Whether for daily office work, home communication, or rapid calling in specific scenarios, the X306 comprehensively meets diverse needs, making it an ideal communication partner for modern smart office applications and high-quality living.



3.5-inch color screen | 2 SIP Lines | HD Voice | Opus | PoE enabled | DSS Keys | IPv4/IPV6/ IPv4&IPv6

Built-in Wi-Fi 6 | BT 5.0 | HAC | 5W Speaker

Highlights

☑ 3.5-inch 320x240 Color Screen:Calls and information are clear at a glance.

☑ Braille-embossed Oversized Numeric Keys:Features enlarged numeric keys with Braille markings to meet the needs of specific user groups.

☑ 4 DSS Keys:Supports key icon replacement and customizable key functions.

☑ Extra-Loud Volume: Exceeds the loudness of conventional phones, meeting the hearing requirements of specific user groups.

☑ Bright red emergency key: Supports customizable emergency contact dialing.

☑ Dual-microphone design with 5-meter long-distance sound pickup technology, equipped with a 5W high-volume speaker.

☑ HD voice — Supports G.722, Opus for high-quality audio performance.

☑ Built-in dual-band Wi-Fi 6 (2.4GHz/5GHz) and Bluetooth 5.0.

☑ Bluetooth External Line Support: Syncs with mobile phone contacts; allows seamless call handover from mobile phone to IP phone.

Generic

- 3.5-inch(320x240)color screen
- 2 SIP Lines
- HD Voice
- Built-in dual-band Wi-Fi (2.4GHz/5GHz) with Wi-Fi 6
- Hand set / Hands-free
- Desktop Stand
- 4 DSS Keys
- Bluetooth External Line
- Power adapter (optional)

Phone Functions

- Local Phonebook (1000 entries)
- Remote Phonebook (XML/LDAP)
- Call logs (In/out/missed, 600 entries)
- Blocked List/Allowed List
- Screen saver
- Voice Message Waiting Indication (VMWI)
- User-Defined Soft Key
- Network Time Synchronization
- Support Recording (Through Server)
- Built-in Bluetooth 5.0: Connect to BT headset / Pair with mobile phone via Bluetooth
- Built-in dual-band Wi-Fi with Wi-Fi 6 support
  - 2.4GHz, 802.11 b/g/n/ax
  - 5GHz, 802.11 a/n/ac/ax
- Action URL / Active URI
- Customize Background Image
- Customize Boot Logo
- uaCSTA
- Customize Ringtone

Call Functions

- Call out / Answer / Reject
- Mute / Unmute (Microphone)
- Call Hold / Resume
- Call Waiting
- Intercom
- Caller ID Display
- Speed Dial
- Anonymous Call (Hide Caller ID)/Ban Anonymous call
- Call Forward (Always/Busy/No Answer)
- Call Parking/Pick-up (Depending on server)
- Redial
- Predial
- Call Back
- Do-Not-Disturb(DND)/Timed DND
- Auto-Answering
- SIP SMS
- Voice Message (On server)
- SIP Hotspot
- Hot Line
- Hot desking
- IP Direct Dialing
- Fuzzy Search
- Action Plan
- Digit Collection Rules
- Call Completion/Auto Redial
- Primary and Backup SIP Servers
- Default Ext Line
- Multicast

Audio

- HD Voice: HD handset, HD speaker
- HAC handset
- Wideband ADC/DAC 16KHz Sampling
- Narrowband Codec: G.711a/u, G.723.1, G.726, G.729，G.729A, G.729B, G.729AB, iLBC
- Wideband Codec: G.722, Opus
- Full-duplex Acoustic Echo Canceller (AEC)
- Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) / Background Noise Estimation (BNE) / Noise Reduction (NR) / Automatic Gain Control (AGC)
- Packet Loss Concealment (PLC)
- Dynamic Adaptive Jitter Buffer
- DTMF: In-band, Out-of-Band (RFC2833/ SIP INFO)
- VQM voice quality monitoring
- Sidetone Support

Network

- Physical: 10/100 Mbps Ethernet
- IP Mode: IPv4/IPv6/IPv4&IPv6
- IP Configuration: Static IP / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: OpenVPN/L2TP
- VLAN
- LLDP
- QoS
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- DNS-SRV (RFC 3263)
- Support Redundant Servers
- Agent
- Https Mutual Authentication
- Wi-Fi Encryption Methods：WPA /WPA2-PSK/802.1X EAP

Protocols

- SIP v1 (RFC2543) v2(RFC3261)
- UDP/TCP/TLS
- TLS 1.3
- RTP/RTCP/SRTP（Optional/Compulsory）
- STUN
- DHCP
- IPv6
- LLDP
- PPPoE
- 802.1x
- 802.1p/Q
- L2TP
- OpenVPN
- SNTP
- FTP/TFTP
- HTTP/HTTPS
- TR-069
- AES128 & AES256

Deployment & Management

- Auto-Provisioning via FTP/TFTP/HTTP/HTTPS/DHCP OPT66/SIP PNP/TR-069
- Screenshot
- Web Management Portal
- Web-based Packet-dump
- Configuration Export / Import
- Phonebook Import/Export
- Firmware Upgrade
- Syslog
- Network Firewall
- Online Upgrade

Physical Specifications

- LCD: 3.5-inch(320x240)color screen
- Keypad: 25 keys, including
  - 3 Soft keys
  - 3 Function keys (Mute, Headset, Redial)
  - 4 DSS keys
  - 1 Speed Dial Key(Red key)
  - 12 Standard Phone Digits keys
  - 2 Volume Control keys, Increase(Right)/Lower(Left)
- HD Handset (RJ9) x1
- Standard RJ9 Handset Wirex1
- 1.5M CAT.5E Ethernet Cable x1
- Desk Stand x1
- Status Indicator Light x1 (Red)
- RJ9 Handset Port x1
- RJ45 Network Port x1
- Type-c Power Supply Port x1
- Security Slot x1
- Power: DC 5V /2A or PoE
  - POE complies with the IEEE 802.3af standard
  - Power adapter(Optional): Input:100-240VAC~50/60Hz Output:5V/2A
- Power Consumption(Adapter): 1.08~6.2W
- Power Consumption(PoE): 1.7~7.68W
- Working Temperature: 0~45℃
- Working Humidity: 10~95%
- Installation:
  - Desktop Stand
- Color: Dark Blue / White
- Qty/CTN: 10pcs
- N.W/CTN: 11.44kg
- G.W/CTN: 12.42kg
- Device Dimension: 186*230*68.66 mm
- Gift Box Dimension: 202*236*89 mm
- Outer CTN Dimension: 491*470*225 mm (10 PCS)