X301/X301P Entry Level IP Phone

X301/X301P is the cost-effective SIP phone with multi-function. It features a 2.3-inch 132x64 pixel dot-matrix display, supporting 2 SIP lines and 6-way audio conference to render a user-friendly experience. X301/X301P has rich functions such as HD audio, dual 10/100 Mbps network ports and integrated PoE(only X301P), providing an efficient and high-quality business communication experience for enterprises.



2 SIP Lines | HD Voice | Opus | PoE enabled(Only X301P) | 6-way Audio Conference | IPv4/IPV6/ IPv4&IPv6 | EHS headset

Highlights

- ☑ 2.3-inch 132x64 pixel dot-matrix display.
- ☑ Support audio codec G.722 and Opus, HD audio on speakerphone and handset.
- ☑ Support 6-way audio conference.
- ☑ Support EHS wireless headset.
- ☑ Dual 10/100 Mbps network ports, integrated PoE(only X301P).
- ☑ Two installation methods of desktop stand and wall mountable.

Generic

- 2 SIP Lines
- HD Voice
- PoE Enabled (only X301P)
- Dot-matrix display screen
- Handset / Hands-free / Headset mode
- Desktop Stand / Wall mountable (optional)
- Optional External Power Supply

Phone Functions

- Local Phonebook (1000 entries)
- Remote Phonebook (XML/LDAP, 1000 entries)
- Call logs (In/Out/Missed, 600 entries)
- Blocked List/Allowed List
- Screen saver
- Voice Message Waiting Indication (VMWI)
- Programmable Softkeys
- Network Time Synchronization
- Support Poly wireless headset (Through Poly APD-80 EHS Cable)
- Support Jabra wireless headset (Through Fanvil EHS20 EHS Cable)
- Support Recording (Through Server)
- Action URL / Active URI
- XML Browser
- Customize Boot Logo
- uaCSTA
- Customize Incoming Call Ringtone
- time Plan (timed reboot/timed forward/timed upgrade/timed config)
- Hidden DTMF
- Ring From Headset

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 Transfer (Attended/Unattended)
- 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)
- 6-way Audio Conference
- Hot Line
- Hot Desking
- Direct IP call without SIP proxy
- Action Plan
- Dial Plan
- Call Completion/Auto Redial
- Primary and Backup SIP Servers
- Default Ext Line
- Multicast
- Fuzzy Search Call

Audio

- HD Voice: HD handset, HD speaker
- 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

Network

- Physical: 10/100 Mbps Ethernet, dual bridged port for PC bypass
- IP Mode: IPv4/IPv6/IPv4&IPv6
- IP Configuration: Static IP / DHCP / PPPoE
- Network Access Control: 802.1x
- VPN: L2TP / OpenVPN
- VLAN
- LLDP
- QoS
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- DNS-SRV (RFC 3263)
- Support Redundant Servers
- Agent
- Https Mutual Authentication

Protocols

- SIP v1 (RFC2543) v2(RFC3261)
- UDP/TCP/TLS
- 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: 132x64 pixel graphical LCD with backlight
- Keypad: 33 keys, including
  - 4 Soft-keys
  - 9 Function keys (Hold/Transfer/Voice message/Conference/Phonebook /MWI/Headset/Redial/Hands-free)
  - 4 Navigation keys
  - 1 OK key
  - 12 Standard Phone Digits keys
  - 3 Volume Control keys (Up/Down/Mute (Microphone/Red LED indicator light))
- Handset (RJ9) x1
- Standard RJ9 Handset Wire x1
- 1.5M CAT.5E Ethernet Cable x1
- Desktop Stand x1
- Status Indicator Light x1 (Red)
- RJ9 Port x2: Handset x1, Headset x1
- RJ45 Port x2: Network x1, PC x1 (Bridged to Network)
- Security Slot x1
- Power: DC5V / 0.6A or PoE
  - POE complies with the IEEE 802.3afstandard
  - Power adapter: Input:100-240VAC~50/60Hz Output:5V/0.6A
- Power Consumption(Adapter): 0.8~1.29W
- Power Consumption(PoE): 1.25~1.86W
- Working Temperature: 0~45℃
- Working Humidity: 10~95%
- Installation:
  - Desktop Stand
  - Wall mountable (optional)
- Color: Black
- N.W/CTN: 8.88kg(X301), 8.83kg(X301P)
- G.W/CTN: 9.68kg(X301), 9.63kg(X301P)
- Device Dimensions:
  - Desktop Stand (45°): 169x201.1x177.4 mm
  - Desktop Stand (50°): 169x191.9x185.8 mm
  - Wall mountable: 169x120.1x213.7 mm
- Gift Box Dimensions: 250x220x55mm
- Outer CTN Dimensions: 460x300x270mm(10 PCS)