



## \*ast521 IP Phone

### Entry Level Enterprise Phone



**\*ast521** IP Phones is an entry level IP Phone equipped with all advanced features. It integrates a business's elegant appearance, leading technology, and powerful functions. It is interoperable and compatible with all the major SIP based PBX / softswitch / IMS platform

#### KEY FEATURES

- 2 SIP lines
- 1000 local phonebook, caller ID, call hold, call transfer
- Display - 2.3" Dot-matrix screen
- Call log (600 entries, in/out/missed)
- HD audio on speakerphone
- Support Opus codec
- Support 6-way local conference
- Support EHS wirelessheadset
- Integrated PoE
- Stand with 2 adjustable angles of 45 and 50 degrees
- Certification : CE, FCC, RoHS

#### PHONE FUNCTIONS

- Local Phone book (1000entries)
- Remote Phone book (XML/LDAP,1000 entries)
- Call logs(In/Out/Missed,600entries) Blocked List/Allowed List
- Voice Message Waiting Indication (VMWI) Programmable DSS/Soft keys
- Network Time Synchronization
- Support Plantronics wireless headset ( Through Plantronics APD-80 EHS cable) Support Jabra wireless headset (Through Fanvil EHS20 EHS Cable)
- Support Recording (Through Server) Action URL/Active URI
- uaCSTA

#### MODEL AVAILABLE

Model	Network Rate	Wi-Fi	PoE	Power Adapter
*ast521	10/100Mbps	✗	✗	✓
*ast521P	10/100Mbps	✗	✓	✗

#### GENERIC

- HD Voice
- PoE Enabled (\*ast521P)
- Dot-matrix display screen
- Handset/Hands-free/Headset mode
- Desktop Stand/Wall-mounted (need an additional wall hanging parts)
- Optional External Power Supply

#### 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)
- Call Forward (Always/Busy/No Answer)
- Call Transfer (Attended/Unattended)
- Call Parking / Pick-up(Depending on server)
- Redial
- Do-Not-Disturb
- Auto-Answering
- Voice Message (With server)
- 6-way Conference
- Hot Line
- Hot desking



## NETWORK

- Physical:10/100 Mbps Ethernet, dual bridged port for PC bypass
- IPMode: IPv4 / IPv6
- IP Configuration: Static IP / DHCP / PPPoE Network Access Control: 802.1x
- VPN: L2TP/ Open VPN
- VLAN
- LLDP
- QoS
- RTCP-XR(RFC3611),VQ-RTCPXR(RFC6035)

## DEPLOYMENT & MANAGEMENT

- Auto -Provisioning via FTP / TFTP / HTTP / HTTPS / DHCP OPT66 / SIP PNP / TR-069
- Web Management Portal
- Web-based Packet Dump
- Configuration Export / Import
- Phone book Import / Export
- Firmware Upgrade
- Syslog

## AUDIO

- HD Voice Microphone / Speaker
- Wideband ADC/DAC16KHzSampling
- Narrow band Codec: G.711a/u, G.723.1, G.726, G.729A/B,iLBC
- Wide band Codec :G.722,Opus
- Full-duplex Acoustic Echo Canceller (AEC) Voice Activity Detection (VAD) / Comfort Noise Generation (CNG) /Back ground 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

## PROTOCOL

- SIP2.0 over UDP/TCP/TLS
- RTP / RTC P/ SRTP
- STUN
- DHCP
- IPv6
- LLDP
- PPPoE
- 802.1x
- L2TP
- Open VPN
- SNTP
- FTP/ TFTP
- HTTP/HTTPS
- TR-069
- AES128 & AES256

## PHYSICAL SPECIFICATION

- CD: 128x48 pixel graphical LCD with back light
- Keypad: 33 keys, including
  - 4 Soft-keys
  - 9 Function keys (Hold / Transfer / Voice message / Conference / Phone book / MWI / Headset / Redial / Hands-free)
  - 4 Navigation keys
  - 1 OK key
  - 12 Standard Phone Digits keys
  - 3 Volume Control keys (Up/Down/Mute (Microphone)) Handset (RJ9) x1
- Standard RJ9 Handset Wire x1
- 1.5M CAT.5E Ethernet Cable x1
- Back Rack x1
- Status Indicator Light x1 (Red)
- RJ9 Port x2: Handset x1, Headset x1
- RJ45 Port x2: Network x1, PC x1 (Bridged to Network) Safety Keyhole x1
- DC Power Input: 5V/0.6A
- Power Consumption Adapter : 0.9~1.48W Power Consumption PoE : 2.03~2.8W Working Temperature: 0~45°C
- Working Humidity: 10~95%
- Installation:
  - Desktop Stand
  - Wall-mounted (need an additional wall hanging parts)
- Color: Black
- N.W : 0.9kg
- Device Dimensions:
  - Desktop Stand (Angles 1): 169x201x177.3 mm
  - Desktop Stand (Angles 2): 169x203.3x185.8 mm
  - Wall-mounted: 169x112.7x213.3 mm

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