# V50P Basic Level IP Phone

V50P is a stylish, high-performance entry-level IP phone with a 2.3-inch 132x64 pixel dot-matrix screen, support for 2 SIP lines and 6-way audio conference, support PoE power supply, and HD voice. It can meet the application scenarios of different enterprises, and provide users with excellent interaction and comfortable instant Internet communication experience.



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

## Highlights

- ☑ 2.3-inch 132x64 pixel dot-matrix screen
- ☑ Support audio codec G.722 and Opus, HD audio on speakerphone and handset
- ☑ Support 6-way Audio Conference
- ☑ Fast Ethernet - 10/100Mbps Ethernet, integrated PoE
- ☑ HAC HD voice handset and full duplex hands-free speaker hardware configuration to provide users with an outstanding audio experience
- ☑ Two installation methods of desktop stand and wall mountable
- ☑ Compatible with EHS headset

## Generic

- 2.3-inch 132x64 pixel dot-matrix screen(No backlight)
- 2 SIP lines
- HD voice
- PoE enabled
- Handset / hands-free / headset mode
- Desktop Stand / Wall-mounted (optional)
- Optional external power supply
- Handset with Hall-effect Sensor Switch

## Phone Functions

- Local Phonebook (1000 entries)
- Remote Phonebook (XML/LDAP)
- Call logs (In/out/missed, 1000 entries)
- Blocked List/Allowed List
- Screen saver
- Voice Message Waiting Indication (VMWI)
- Programmable Soft keys
- 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
- 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
- Fuzzy Search Call
- Action Plan
- Dial Plan
- Intercom
- Call Completion/Auto Redial
- Primary and Backup SIP Servers
- Default Ext Line
- Multicast

## 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
- IEEE 802.3az

## 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

## Physical Specifications

- LCD: 132x64 pixel dot-matrix screen
- Keypad: 24 keys, including
  - 4 Function keys (Mute, Headset, Redial, Hands-free)
  - 4 Soft-keys
  - 2 Navigation keys
  - 12 Standard Phone Digits keys
  - 2 Volume Control keys, Lower/Increase(Left/Right)
  - 1 Hands-free key
- HD Handset (RJ9) x1
- Handset with Hall Switch
- Standard RJ9 Handset Wire x1
- 1.5M CAT5.E Ethernet Cable x1
- Desk 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/1A or PoE
  - POE complies with the IEEE 802.3af standard
  - Power adapter: Input:100-240VAC~50/60Hz Output:5V/1A
- Power Consumption(Adapter): 0.9~1.8W
- Power Consumption(PoE): 1.4~2.5W
- Working Temperature: 0~45℃
- Working Humidity: 10~95%
- Installation:
  - Desktop Stand
  - Wall-mounted (Optional)
- Color: Dark Grey
- Qty/CTN: 10pcs
- N.W/CTN: 8.25 kg
- G.W/CTN: 8.785kg
- Device Dimensions:
  - Desktop Stand (40°): 173.0x185.0x169.9 mm
  - Desktop Stand (45°): 173.0x173.9x178.0 mm
  - Wall mountable: 173.00x91.34x215.55 mm
- Gift Box Dimensions: 250x220x55 mm
- Outer CTN Dimensions: 460x300x270 mm (10 PCS)