



## KAREL IP131 IP PHONE

- Revolutionarily new design
- Optima HD voice
- 2.7" 192x64-pixel graphical LCD with backlight
- Up to 6 SIP accounts
- Paper label free design
- PoE support
- Headset, EHS support
- Integrated stand with 2 adjustable angles
- Wall mountable
- Simple, flexible and secure provisioning options

The IP131 is a feature-rich sip phone for business. The 6-Line IP Phone has been designed by pursuing ease of use in even the tiniest details. Delivering a superb sound quality as well as rich visual experience. With programmable Keys, the IP Phone supports vast productivity-enhancing features. Using standard encryption protocols to perform highly secure remote provisioning and software upgrades.

### Audio Features

- HD voice: HD handset, HD speaker
- Hearing aid compatible (HAC) handset

- Wideband codec: Opus, G.722
- Narrowband codec: Opus, G.711(A/μ), G.723.1, G.729AB, G.726, iLBC
- DTMF: In-band, Out-of-band(RFC 2833) and SIP INFO
- Full-duplex hands-free speakerphone with AEC
- VAD, CNG, AEC, PLC, AJB, AGC

### Phone Features

- 6 VoIP accounts
- One-touch speed dial, redial
- Call forward, call waiting
- Call transfer, call hold
- Call return, group listening
- Mute, auto answer, DND
- 3-way conference call
- Direct IP call without SIP proxy
- Ring tone selection/import/delete
- Hotline, emergency call
- Set date time manually or automatically
- Dial Plan, XML Browser, Action URL/URI
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- USB port (2.0 compliant)  
Bluetooth earphone through BT40,  
Wi-Fi through WF40,  
USB call recording through USB flash drive
- Enhanced DSS key

### Directory

- Local phonebook up to 1000 entries
- Black list
- XML/LDAP remote phonebook
- Smart dialing
- Phonebook search/import/export
- Call history: dialed / received / missed / forwarded

### IP-PBX Features

- Busy Lamp Field (BLF)
- Bridged Line Appearance (BLA)
- Anonymous call, anonymous call rejection
- Hot-desking, voice mail
- Flexible seating
- Call park, call pickup
- Executive and Assistant
- Centralized call recording
- Visual voice mail
- Call recording

### Display and Indicator

- 2.7" 192x64-pixel graphical LCD with backlight
- LED for call and message waiting indication
- Dual-color (red or green) illuminated LEDs for line status information

- Intuitive user interface with icons and soft keys
- Multilingual user interface
- Caller ID with name and number
- Power saving

#### Feature Keys

- 6 line keys with LED
- 6 line keys can be programmed up to 15 paperless DSS keys (3-page view)
- 5 features keys: message, headset, mute, redial, hands-free speakerphone
- 4 context-sensitive "soft" keys
- 6 navigation keys
- 2 volume control keys
- Illuminated mute key
- Illuminated headset key
- Illuminated hands-free speakerphone key

#### Interface

- 2 x RJ45 10/100M Ethernet ports
- Power over Ethernet (IEEE 802.3af), Class 2
- 1 x USB port (2.0 compliant)
- 1 x RJ9 (4P4C) handset port
- 1 x RJ9 (4P4C) headset port
- 1 x RJ12 (6P6C) EHS port

#### Other Physical Features

- Stand with 2 adjustable angles
- Wall mountable
- External AC adapter (optional): AC 100~240V input and DC 5V/1.2A output
- Power consumption (PSU): 1.3-3.0W
- Power consumption (PoE): 1.7-3.8W
- Dimension (W\*D\*H\*T): 212mm\* 189mm\*175mm\*54mm
- Operating humidity: 10~95%
- Operating temperature: -10~50°C (+14~122°F)

#### Management

- Configuration: browser/phone/ auto-provision
- Auto provision via FTP/TFTP/HTTP/HTTPS for mass deploy
- Auto-provision with PnP
- Broadsoft device management
- Zero-sp-touch TR-069
- Phone lock for personal privacy protection
- Reset to factory, reboot
- Package tracing export, system log

#### Network and Security

- SIP v1 (RFC2543), v2 (RFC3261)
- Call server redundancy supported
- NAT traversal: STUN mode
- Proxy mode and peer-to-peer SIP link mode
- IP assignment: static/DHCP
- HTTP/HTTPS web server
- Time and date synchronization using SNTP
- UDP/TCP/DNS-SRV(RFC 3263)
- QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP
- SRTP for voice
- Transport Layer Security (TLS)
- HTTPS certificate manager
- AES encryption for configuration file
- Digest authentication using MD5/MD5-sess
- OpenVPN, IEEE802.1X
- IPv6
- LLDP/CDP/DHCP VLAN
- ICE

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