



# Crexendo CX 270

The Crexendo CX 270 is a great entry-level cloud based IP phone with 3 Session Initiation Protocol (SIP) accounts. It features industry standard PoE (Power over Ethernet), so no power cable or outlets are required. It has a full duplex speaker-phone, dual Ethernet Ports, five-way conference calling, high definition voice quality, and built in Virtual Private Network (VPN) capability. Users can now control complicated features directly from their phones -no need to remember feature codes. Applications driven by DSS keys include (but not limited to) busy lamp field, call park, do not disturb, call forward, call record, speed dial, multi-cast paging etc.

## Phone Features

- 3 VoIP accounts
- Call hold, mute, DND
- One-touch speed dial, hotline
- Call forward, call waiting, call transfer
- Redial, call return, auto answer
- 5-way conferencing
- Group listening, SMS, emergency call
- Ring tone selection/provisioning
- Set date time automatically or manually
- Dial plan per account
- RTCP-XR (RFC3611), VQ-RTCPXR (RFC6035)
- XML Browser
- Action URL/URI
- Voice Codecs Features
- HD voice: HD handset, HD speaker
- Codecs: iLBC, G.722, G.711(A/μ), GSM\_FR, G.723, G.729AB, G.726-32 DTMF: In-band, RFC 2833, SIP INFO
- Full-duplex hands-free speakerphone with AEC
- VAD, AGC, CNG, AEC, PLC, AJB
- Caller ID with name and number

## IP-PBX Features

- Busy Lamp Field (BLF)
- Anonymous call, anonymous call rejection
- Hot-desking
- Message Waiting Indicator (MWI)
- Voice mail
- Intercom, paging
- Call park, call pickup
- Music on hold
- Call recording

## Directory

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

## Display and Indicator

- 2.7" 192 x 64 pixel graphical LCD display 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
- National language selection

## Feature keys

- 3 line keys with LED
- Up to 17 feature keys (4-page view) for custom feature assignments
- 8 feature keys: hold, message, mute, transfer, redial, conference, headset, speaker
- 4 context-sensitive "soft" keys
- 6 navigation keys
- Volume control keys
- Illuminated speaker key
- Illuminated headset key
- Illuminated mute key

## Interface

- Dual-port 10/100M Ethernet
- Power over Ethernet (IEEE 802.3af), class 3
- 1xRJ9 (4P4C) handset port
- 1xRJ9 (4P4C) headset port

## Physical Features

- Stand with 2 adjustable angles
- Wall mountable
- External universal AC adapter : AC 100~240V input and DC 5V/1.2A output
- Power consumption (PSU): 2.0~4.6W
- Power consumption (PoE): 2.5~5.5W
- Operating humidity: 10~95%
- Operating temperature: -10~50°C

## Management

- Configuration: Browser/LCD-Menu/auto-provision
- Auto provision via HTTP/HTTPS FTP/TFTP
- Auto-provision with PnP
- Reset to factory, restart, reboot
- Local tracing log export, system log
- Phone lock for personal privacy protection

## Network and Security

- SIP v1 (RFC2543), v2 (RFC3261)
- SIP server/proxy redundancy
- NAT Traversal: STUN mode
- DHCP/static/PPPoE
- HTTP/HTTPS web server
- Time and date synchronization by NTP
- DNS-NAPTR/DNS-SRV(RFC 3263)
- QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP
- IEEE802.1X
- TLS(Transport Layer Security)
- S RTP
- Open VPN
- HTTPS certificate manager
- AES encryption for configuration file
- Digest authentication using MD5/MD5-sess