



# Crexendo CX 430

The Crexendo CX 430 is an executive level, full color internet phone with 5 Session Initiation Protocol (SIP) accounts. The Crexendo CX 430 features industry standard Power over Ethernet, so no power cable or outlets required. It has a full duplex speakerphone, dual Ethernet Ports, three-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. User applications include: Call Parking, Find Me/Follow Me, Do Not Disturb, Conference Rooms, Call Forwarding, Time Conditions, Presence, Queues, Transfer to Voice Mail, and Log in/out.

## Phone Features

- 5 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
- Direct IP call
- 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, number and photo

## IP-PBX Features

- Busy Lamp Field (BLF)
- Bridged Line Appearance (BLA)
- 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

- 4.3" 480 x 272-pixel color display with backlight
- 24 bit depth color
- LED for call and message waiting indication
- Dual-color (red or green) illuminated LEDs for line status information
- Wallpaper
- Intuitive user interface with icons and soft keys
- National language selection

## Feature keys

- 10 line keys with LED
- 10 line keys can be programmed up to 36 various features (4-page view)
- 9 features keys: hold, message, mute, redial, info, conference, headset, transfer, speaker
- 4 context-sensitive "soft" keys
- 6 navigation keys
- Volume control keys
- Illuminated speaker key
- Illuminated headset key
- Illuminated mute key

## Interface

- Dual-port Gigabit Ethernet
- Power over Ethernet (IEEE 802.3af), class 3
- 1xRJ9 (4P4C) handset port
- 1xRJ9 (4P4C) headset port
- Supports up to 6 Expansion Modules

## Physical Features

- Stand with 3 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
- Dimension (W\*D\*H\*T):
- 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 SNTP
- DNS-NAPTR/DNS-SRV(RFC 3263)
- QoS: 802.1p/Q tagging (VLAN), Layer 3 ToS DSCP
- IEEE802.1X
- TLS(Transport Layer Security)
- SRTP
- Open VPN
- HTTPS certificate manager
- AES encryption for configuration file
- Digest authentication using MD5/MD5-sess