



## Main characteristics

- 2 lines and 12 memory keys
- 132 x 64 pixels and 6,1 x 3,1 cm display
- HD Voice
- Available with power supply via Ethernet (PoE)

## Overview

Developed to substitute traditional desktop terminals, the Khomp IPS - IP Phone Series line of IP telephones have excellent HD voice quality, in addition to a clean technological design. Working in conjunction with communication platforms, they provide the day-to-day user with a series of facilities, such as: exclusive voice processing technology that provides clear voice calls and more fluent communication; a contacts list with the support of business and personal telephone directories for facilitating search for telephone numbers; call transferring; conference calling with up to 3 participants; speed dialing; voice messages; and do not disturb function, among countless others.

IP telephones make calls through Internet networks, receive voice and data and provide integration between the two networks. This structure gives the IPS line a number of advantages over common systems, including reduction in telephone expenses.

## Characteristics and benefits

### Clear voice

- Includes exclusive voice processing technology that allows for realistic, clear voice calls and more fluent communication.

### Advanced call processing

- Supports a 2-line circuit with a 2-color indicator light that simultaneously manages the lines and calls waiting.
- Recommended for teleconferencing and call transferring.
- Supports call requirements even in times of heavy call flow.
- Supports peer-to-peer calling.

### Supports 12 programmable keys

- The programmable keys can be defined as speed-dial keys or other function keys, optimizing operational efficiency. The programmable keys support light indication of call status.

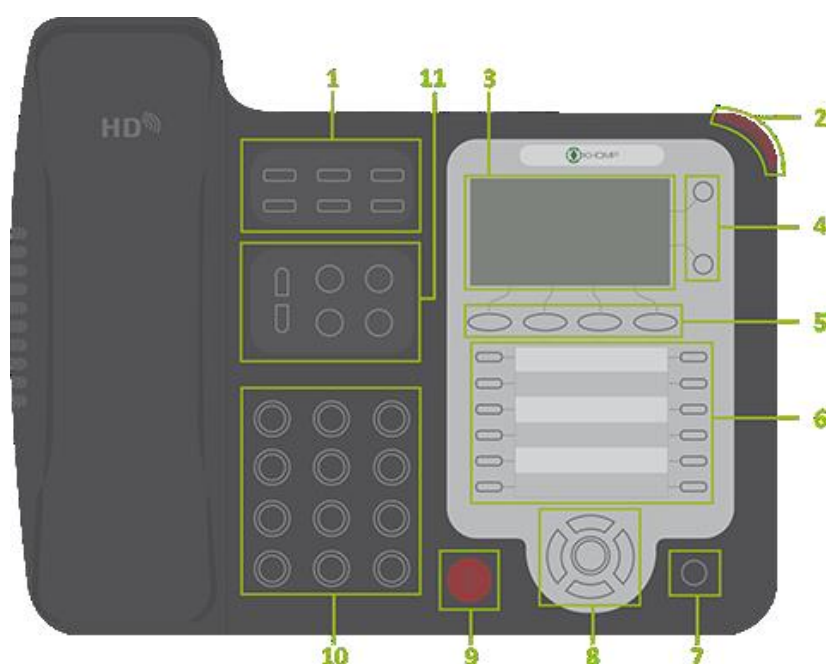
### Business address list application

- Supports business contacts.
- Application for personal telephone directory to facilitate searching for numbers.

### Supports PoE (Power over Ethernet)

- Telephone power supply by network on IPS 212-PN model.

## Appearance and functions



Subtitle:

1. Function key area (simple, convenient, fast)
  2. Light indicator for calls
  3. Display screen
  4. Line keypad (status and line commutator, speed dialing, call queuing)
  5. Software keypad (for user defined shortcuts)
  6. Programmable keypad (supports: BLF, BLA, speed dialing)
  7. C Button (delete or exclude)
  8. Navigation keypad (arrows and confirm key)
  9. Hands-free key
  10. Dialing keypad
  11. Functions and volume keys (conference, redial, transfer and hold)
- (1) Function keys include: Headphone key, line off key, message key, menu key, conference key, transfer key, redial key, maintenance key.

## Technical characteristics

### Screen

- 132 x 64 pixels graphic display
- Screen size: 6,1 x 3,2 cm
- Supports various languages

### Web portal languages

- Portuguese, spanish and english

### Line

- 2 lines

### Function keypad

- 4 programmable keys (via software)
- 2 line keys
- 6 navigation keys (cursor buttons, OK button, C button)
- Volume control, hands free, sound suppression (mute), headphone, message box, menu, telephone directory, service, call hold, redial, conference and transfer

### Voice

- HD voice HD Codec/Handset/Speaker (Full-duplex)
- Strap mode, headphone and hands free available
- Supports PS2 or RJ9 headphones (4P4C)
- Separate 9-level volume control

### Protocols

- VoIP: Protocol SIP 2.0
- Network protocol: HTTP, BOOTP, FTP, TFTP, IEEE 802.1Q/P

### Service Quality

- TOS, Jitter Buffer, VAD, CNG, G.168 (32ms)

### Voice decodification

- Codecs: G.723.1, G.729 A/B, G.711 A/U, G.722

### Network

- 2x RJ45 10/100M Ethernet Interfaces (LAN/PC)
- IP attribution: static IP, DHCP, PPPoE
- DNS, VPN (L2TP, OpenVPN), VLAN/QoS client

### Applications

- Public and personal telephone directory available in XML for up to 300 users
- Adjustable wall support

### Call processing

- Line status indicator
- Forward all calls, forward calls when busy, forward calls when not answered
- Direct line (immediate/delayed)
- Call waiting, call queuing, line commutation
- Call forwarding, call transferring, call holding, warning call, call return
- One-touch speed dial, redialing
- Speed dialing direct from telephone, direct dialing from call register
- 3-Way conference calling, Instant Messaging
- DnD, Black list
- Voice mail, voice command, voice message
- BLF, BLA, speed dialing

### Security

- Login via display and web portal with password
- Codification of signaling and media

### Management

- Updating: HTTP/TFTP/FTP Auto-provision/TR069
- Configurations: Telephone/Web/ Auto-provision/TR069
- Debugging: Telnet/Telephone/Web

### Power source

- Power adapter: input CA100~240V and output CC 12V/1A (sold separately)
- PoE (IEEE 802.af) – Available on IPS 212-PN model

### Specifications

- Storage temperature: 0°C ~ 60°C
- Operating humidity: 10%~90%
- Size: 254 x 205 x 60 mm
- Net weight: 913g

### Guarantees and Certifications

- Factory warranty 1 year
- Anatel Certification
- ISO 9001 Industry certified

## Other product images



Front view



Lateral connectors



Table support positions