

IP Phone Series



Features

- Supports up to three SIP lines
- Backlit 2.7" display, 132x64 pixels
- HD voice quality
- Power over Ethernet (PoE) supply
- Automatic provisioning (HTTP, TFTP, FTP, TR-069)
- Desktop or wall mounting
- Quality of Service (QoS)
- Enhanced security with SRTP and TLS
- Understands XML language

Applications

- Companies and industries
- Houses and condominiums
- Call Centers

Overview

Developed to replace traditional desktop terminals, Khomp's IP Phone Series (IPS) line of IP telephones offer 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: advanced voice processing technology that provides clear voice calls and more fluent communication; a contacts list with the support of a personal business telephone catalog, facilitating the search for call numbers; call transferring; conference calling with up to three 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 telecommunications networks. This structure gives the IPS line a number of advantages over the conventional system, including the reduction of telephony expenses.

Characteristics and benefits

PoE supply

The IP phone is powered through the network cable, dispensing with the need to connect a power supply in the IPS 200 GPN model. The local network must comply with the IEEE 802.3af standard.

Clear voice

An exclusive voice processing technology allows for clearer and more realistic calls, enabling seamless communications.

Advanced call processing

- The device includes a three-line circuit for handling simultaneous lines and managing the call queue.
- It offers conference call and call forwarding capabilities.
- It meets all your call processing needs even during peak times.
- Also, it supports peer-to-peer connections.
- Bicolor LED lamps indicate the status of the device.

Technical specifications

Display features

- Backlit 2.7" display, 132x64 pixels
- Multilanguage support

Web Interface languages

- Portuguese, English and Spanish

SNMP Support

- Allows you to add up to three SIP accounts
- Three LED keys for account managing

Function keypad

- Four programmable keys
- Six navigation keys:
 - Directional buttons (four navigation keys)
 - Ok Button
 - C Button
- Volume control, speaker phone, mute, message box, call on hold, redial, conference call and call forwarding

HD quality voice

- HD Codec / Handset / Speaker (Full-duplex)
- Available for handset and speaker phone
- Supports RJ9 interface (4P4C)
- Separate volume control with nine levels

Supported protocols

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

Quality of Service (QoS)

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

Voice codification

- Supported Codecs: G711A, G711U, G729, G722, iLBC, G726_32

Network features

- Two RJ45 Gigabit Ethernet ports 10/100/1000 Mbps (LAN port and PC port)
- IP Assignment: Static, DHCP or PPPoE
- DNS client, VPN (L2TP, OpenVPN) or VLAN

Warranties and Certifications

- Total warranty (legal + Khomp warranty): 1 year
 - Legal warranty: 90 days
 - Khomp warranty: 9 months
- ISO 9001 certified industry

Security

- Password protected access to the function keys on the phone
- Password-protected access to the web interface
- SRTP (Secure Real-time Transport Protocol)
- TLS (Transport Layer Security)

Call processing

- Line status indicator (LEDs and display)
- Always forward, forward when busy, forward when no response
- Call on hold, call queue, line switching
- Call forwarding, call transferring, call on hold, callback
- One-touch dialing, redialing
- Speed dialing directly from the phone, direct dialing from the call log
- Three-way conference
- Do not disturb (DND) function and blacklisting
- Mail box, voice prompt, voice mail
- Busy Lamp Field (BLF), Bridged Line Appearance (BLA)

Management

- Updates: Through HTTP, TFTP, FTP, automated provisioning or TR069
- Settings: On the phone, via the web interface, automated provisioning or TR069
- Supports Extensible Markup Language (XML)

Power

- Power adapter:
 - Input: 100–240 VAC
 - Output: 5 VDC, 1 A
- PoE (IEEE 802.af)

Physical specifications

- Storage temperature: 32–140 °F
- Operating humidity: 10–95%
- Dimensions: 7.2" x 7.2" x 1.6"
- Approximate weight: 1.65 lb (without packaging)
- Adjustable desktop or wall mount

Apps

- Phonebook, business agenda, and LDAP



Note

TR-069 is enabled in the following kernels:

- IPS 102: Compatible with Kernel versions 1.0.0 and 3.0.0.
- IPS 108: Compatible with Kernel versions 1.0.0 and 3.0.0.
- IPS 200 GPN: Compatible with all available versions.

Design and functionality



Legenda:

1. Display.
2. Call indicator light.
3. Line keys (status and line switch, speed dial, call queue).
4. Display function keys.
5. Message box and headset.
6. Dial keypad.
7. Volume control.
8. Handsfree key.
9. Conference, redial, transfer, and hold function keys.
10. C key or mute.
11. Navigation keys.

Additional product images



Legenda: We note that IPS 200 GPN does not "wall-mounted operating mode" and not "desktop operating mode".