KHOMP

Multi-use IP intercom with video calls

Features

- SIP voice intercom
- Doors can be opened from any VoIP communication device
- Integration with IP telephony systems
- Perfect integration with Asterisk®
- Open door sensor
- Individual volume controls for microphone and loudspeaker
- Day and night view modes
- Khomp IP gatekeepers use the User Datagram Protocol (UDP) to send and receive information

Aplications

- IP wall speakerphone for communication between locations via video conferencing and SIP calling
- Automation for device control and actuation
- Intercommunication for security systems

Opcional resource

- **P** - Power over Ethernet (POE 802.3af)

Overview

The IP Intercom 101 is an electronic intercom of the Khomp's line of SIP endpoints. Developed as a new solution for intercom or automation applications. A VoIP device with onboard intelligence, combining agility, safety, and autonomy. It includes speakerphone functionality, a button; it can be used in PoE networks. It can be used as an electronic intercom for access control and as a SIP wall phone. All settings are defined on a user-friendly web interface, and the device can be configured for registration on SIP platforms or peer-to-peer calls.

It comes with a built-in video camera and it enables the use of videoconferencing with its structure that is customized in a single device, facilitating system installation and offering a modern technological interface.

It uses the VoIP telephony network for connection and communication, with the possibility of opening a door remotely, even if there isn't a person dedicated to this task, making it an excellent option for environments such as homes, offices, multifamily systems for buildings, communities, and gated condominiums.

With all these options, the IP Intercom 101 is a valuable tool for a variety of scenarios involving integration via SIP, including a wide range of integration possibilities for IoT requisitions.

Models with integrated camera

- IP Intercom 101 DG - C (Dark Grey)
- IP Intercom 101 BC - C (Bicolor) - grey base with light grey fronto
- IP Intercom 101 LG - C (Light Grey)
- IP Intercom 101 DG - CP (Dark Grey) - with embedded PoE
- IP Intercom 101 BC - CP (Bicolor) - grey base with light grey front, with embedded PoE
- IP Intercom 101 LG - CP (Light Grey) - with embedded PoE

Technical specifications

Technical specifications
- Audio output power: 2 W
- Relay output: 125 VAC / 20 A - 220 VAC / 10 A - 14 VDC / 20 A
- Supported video codecs: H.264
- Supported audio codecs: G.711 Alaw and Ulaw
- VoIP protocols used: SIP and RTP
- DTMF detection and generation (RFC 2833 standard)
- Maximum operating temperature: 50 °C

Physical/Environmental
- Power source: 12 VDC
- Resistant to rain and water droplets (protection grade: IP66)
- Installation mode: External mounting
- Dimensions: 4,6"x8,0"x1,4"

Capabilities
- Door opening by remote order in response to DTMF or SIP Notify commands
- Dry contact relay for access control, allowing access from any PBX extension
- Separate volume controls for microphone and loudspeaker
- LAN/PBX-IP SIP integration with internal web server for configuration
- Perfect integration with Asterisk®
- Open door sensor
- Can be used in Power over Ethernet (PoE) networks upon the purchase of an optional license
- Support for video calls

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

Integrated camera technical specifications

Mechanical characteristics of integrated IP camera
- Dimensions (WxHxD): 38x38x15 mm
- Weight: 12 g
- Operating temperature: -30 ºC to + 70 ºC
- Operating Relative Humidity: 10% to 95%

Network settings
- DHCP
- Static IP

Features of integrated IP camera
- 960p or 720p resolution
- JPEG image capture
- 1/3 image sensor, 1.3 MP
- CMOS Progressive Scan (AR0130)
- Supported video codec: H.264
- Support for RTSP and ONVIF
- Motion Detection
- Privacy Mask: 4 programmable areas
- Languages: Portuguese, Spanish and English
- Focal length of 2.1 mm ± 5%
- Back Focal Length (BFL) of 3.79 mm (include 0.8 mm IRCUT & Cover Glass)

Date/time settings
- NTP (Network Time Protocol)
- Daylight saving time

Electrical characteristics of integrated IP camera
- Horizontal opening angle: 137,37º
- Vertical opening anglel: 80º
- Maximum power consumption: 3 W
- Voltage: DC 12 V
- Surge protection
- 3,5 mm Focal Distance Flange (FFD) (include 0,8 mm IRCUT & Cover Glass)
- Image circle of Φ 6,3 mm
- Focal range from 0,2 m
- Varifocal lens
- Image Adjustment: brightness, contrast, saturation, backlight control and sharpness
- Blank balance
- Mirror function: vertical and horizontal rotation
- Automatic Day / Night
- Wide Dynamic Range (WDR)

Product images

Legend: Models of the *IP Intercom 101 DG - C*, *IP Intercom 101 BC - C* and *IP Intercom 101 LG - C*.

Application model