

MOBILE INTERCOM 101

GSM VOICE INTERCOM



Main features

- GSM Voice Intercom
- Grants access remotely via smartphone
- Door open sensor
- Sends warnings when doors or gates are unintentionally left open
- Application offers easy and simple management features
- Optional tag reader

Typical applications

- Households, country and beach houses
- Offices
- Gated condominiums
- Multifamily systems in residential buildings
- Remote doorman

Overview

The Mobile Intercom 101 is an IoT (Internet of Things) connectivity tool offered by Khomp which was designed to be a new automated intercom solution. Now you can have another device connected to your house, providing you with mobility, with great value for your money.

Being part of the Khomp Endpoint family, the Mobile Intercom 101 is a GSM device with built-in intelligence that offers agility, security, and autonomy. It also functions as an electronic doorman, and uses the GSM cellular telephone network for communication. It has an efficient hands-free function and includes a dry contact relay that allows you to open a door remotely, even when you don't have a person dedicated to this task. This makes it an excellent option for places such as houses, offices, multi-family systems in buildings, closed communities and condominiums.

In order to establish the connection between the intercom and the smartphones previously registered in the system, an internal SIM Card is used and must be purchased with a phone plan from your preferred carrier. The Mobile Intercom 101 accepts SIM cards from all carriers and up to three different users can be registered in the application to answer the calls sent from the Mobile Intercom.

Simplified management

Management of the Mobile Intercom 101 can fully performed by using Khomp Mobile Intercom application, available for Android and iOS smartphones. The application allows you to register the phone numbers of the administrators who will receive a call from the Intercom whenever a visitor activates it. It also allows you to manage passwords for access granting.

Grant temporary access to your guests

The Mobile Intercom application allows you to register up to 20 numbers for guests that have been invited to your place. These guests will simply call the SIM Card number installed on the Mobile Intercom 101 and enter the access password provided by the administrator. Access will then be automatically granted by the Mobile Intercom 101, with no need to wait for the device administrator authorization. And, most important, you do not have to worry about removing such access, because you can define the period of time during which your guests will be able to enter your place. This feature is ideal for those who will be hosting an event on a certain date and need to grant access to guests only on that specific day, or people who are expecting the visit of service providers at their place on a scheduled date and time.

Security

The Mobile Intercom 101 features a door opening sensor, which allows you to remotely check if the door has been accidentally left open. If the door remains open for a period longer than the timeout set by the administrator, he/she receives an alert via SMS.

RFID reader to ease the access for people you trust

For those who wish to facilitate the entrance of people they trust, while maintaining overall access security and management, the Mobile Intercom has an RFID reader for tag reading as an optional item. This feature allows individuals carrying the registered tag to walk in without having to use the intercom, as the relay is automatically triggered. This feature facilitates access to those who need it more frequently, while offering savings on mobile phone call costs. The reader offers additional security, as it only identifies tags that have been provided by Khomp and registered by the administrator. Tags not provided by Khomp are not recognized by the reader and consequently access is denied, which discourages the use of counterfeit tags.

Tag registration is performed by the Mobile Intercom 101 application itself. In case of a lost or stolen tag, all you have to do is block access to it using the application — simply and quickly.

Five tags are included with the purchase of the Mobile Intercom with the RFID reader, and you can buy more tags from Khomp as needed. You can activate up to 23 tags simultaneously per device.

(Optional item)

Characteristics and benefits

Functionalities

- Remote door opening from the smartphone application
- Access control using GSM technology*
- Application versions for Android and iOS devices, for an easy product configuration
- Door open sensor. Can be configured from 15 to 86,400 seconds (24 hours)
- Alert system via SMS
- Log service

Technical Characteristics

- GSM Quad Band interface: 850/900/1800/1900 MHz
- Internal slot for Mini SIM card (2FF)
- Mini SIM to Micro and Nano SIM Card adapter
- Internal GSM antenna with 3.5 dBi gain and SMA connector
- Audio output power (speaker): 1.5 W
- External actuating output (Relay): 10A/14 VDC; 10A/120 VAC

- Separate volume controls for microphone and loudspeaker

Optional item**

- RFID reader + 5 tags
 - Reader operating frequency: 13.56 MHz
 - Mifare Reader
 - Mifare Desfire EV1 Tag

* SIM Card not included

** Optional items are available at an additional cost

Physical Characteristics

- Power source: 12 VDC
- Resistant to rain and water droplets (Degree of protection: IP66)
- Installation mode: External mounting
- Dimensions: 11.8 x 20.4 x 3.9 cm
- Approximate weight (without packaging): 340 g

Warranties and Certifications

- Factory warranty: 1 year
- Anatel Certification
- ISO 9001 certified industry

Additional product images



Mobile Intercom 101
with RFID reader



Tag identification
example

Application model

