

# CKP.12 control unit

- Use in IMAporter Advanced and IMAporter Pro identification systems
- Distributed memory for full offline access control
- Communication interface for LAN / RS485 / OSDP / LTE modem (2G / 3G / 4G)
- Multi-door access control



## FUNCTIONALITIES

CKP.12 control unit is a terminal device designed for access control without a keyboard or a display. It is used for managing readers of contactless ID cards, NFC tags and mobile phones. The control unit is designed for autonomous offline operation. The access rights, events, calendars, and other settings, are stored directly in the CKP.12's memory.

The unit is equipped with two interfaces for connecting contactless ID card readers with Wiegand and RS232 communication interfaces. For example, contactless card readers of Mifare, DESFire, LEGIC, HID and other ID card standards. With an additional module, the unit enables reading Dallas chips or UHF chips; license plates identification and opening garage doors.

Three galvanically separated inputs and potential-free changeover contacts of two relays allow the connection of input and output devices (door locks, contacts, buttons control, turnstiles, etc.). The unit can also be connected to various security and fire alarm systems. Communication with the superior system takes place via LAN, RS485, LTE modem and allows remote configuration and firmware upgrades.

Indication of operating and error states, communication and voltage at galvanically isolated inputs is provided by LED diodes located on the printed circuit board.

The CKP.12 control unit is built into an ABS plastic box in light gray (shade RAL 7035), with its dimensions being 224 x 174 x 80 mm.

## Use in IMAporter systems

IMAporter Advanced and Pro ID systems provide a sophisticated solution for identification of employees or tenants, managing access and controlling identification devices.

The CKP.12 control unit is equipped with universal communication protocols; therefore enables the connection of various types of identification devices, such as garage UHF readers or low-frequency readers. You can also connect up to two readers to the control unit at once. The individual control units can be connected in series, which allows you to manage multiple inputs.

An application for convenient remote management is available for each type of IMAporter ID systems.

## IMAporter Admin applications

The administrator is able send new key directly to the user's mobile device, allowing him to enter the building immediately.

All this is provided while maintaining the maximum level of comfort and security of the system.



## TECHNICAL SPECIFICATIONS

<b>Voltage:</b>	10.5 to 16 V	<b>Consumption:</b> (without card readers)	100 mA
<b>SRAM data memory size:</b>	16 kB	<b>Max. consumption:</b> (with LTE modem connected)	2.5 A
<b>EEPROM data memory size:</b>	1 Mbit	<b>Temperature range:</b>	-20 až +60 °C
<b>Program memory size:</b>	256 kB	<b>Degree of protection</b>	IP 65
<b>Inputs:</b>	3 x galvanically isolated input 2 x input for card reader	<b>Maximum number of events:</b>	up to 1000 stored in offline mode
<b>Outputs:</b>	2 x relay changeover contacts	<b>Settings:</b>	up to 3000 users 32 calendars 10 zones for permanent unlock
<b>Tamper contacts:</b>	2 tamper connected in series (security system) 1 tamper for internal indication of cabinet opening		
<b>Communication interface:</b>	100Base-TX Ethernet RS485, OSDP protocol secured by SCP02 Expanding 14-pin connector for connecting additional boards		
<b>Communication interface:</b> (for card readers)	Wiegand		
<b>Indication:</b>	LED Tx,Rx signaling of communication on RS485 LED RS485 signaling of communication interface power supply LED 5V a LED +3V3 signaling of board power supply, input power supply 2x red / green LEDs for card readers 3x LED inputs 2x LED closed relays		