

Kreta3

The strongest and adaptable access control and time&attendance control terminal of the market



- > 32 bits processor
- > Several finishes and customizations
- > Several Readers (Biometric, RFID, eDNI, Magnetic Stripe..)
- > Adaptable to security surrounds
- > Upgradable FW at the installation
- > 2 years of warranty



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Kreta Family

Kreta is the referent for offline access control and time&attendance control solutions, with thousands of terminals installed in the market.

Kreta family products are based on powerful *Kimaldi ID32* platform developed by Kimaldi Electronics.

This platform represents a huge technological Challenger both hardware and software. Hardware is controlled by a 32 bits RISC processor and integrates at its own board IP, RS-232, UDP and TCP/IP connectivity.

IP protocol is based on UDP, optimizing all system resources and reducing traffic frames, providing the highest efficiency and speed.

High level communication protocol developed by Kimaldi implements security algorithm and frames management. *Kimaldi ID32* platform offers an added value in parallel with evolution and market needs.

Wide range products Kreta offers a reliable solution for access control and time&attendance system with the best versatility for configuration, Communications, functionality and identification methods, biometric technology, RFID (high and low frequency), eDNI, smart card and magnetic stripe.

Kreta3 is third version of the family and adds innovative security, flexibility and reliability features.

Description

Powerful access control and time&attendance control with fingerprint recognition and standalone working. Offers versatility for connectivity, configuration and peripherals, both local and remote.

Kreta3 terminal offers a high flexibility thanks to its several assembly configurations, so it is prepared to segregate the electronic board for high security surrounds.

Moreover, it offers the connection possibility to several readers, creating different possibilities depending on the needs of each project.

System features

- > Software Development Kit for programming.
- > Powerful algorithm of biometric recognition 1:N and 1:1 combining digital fingerprint with user code or RFID HF or LF, eDNI, smart card or magnetic stripe. Possibility of biometric exception for injured fingerprints.
- > Segregable electronic board allowing to protect database and relays in a safety place, and leave where can be seen easily the user interface. Ideal for high security surrounds.
- > Antitamper detection
- > RS-232 and TCP/IP (UDP) integrated connectivity, Wi-Fi by converter. Allows to create a network of terminals.
- > Up to 4.000 fingerprints store which can be remotely, immediately or delayed enrolled.
- > Offline working with logs storage in non volatile memory and real time event shipments.
- > Weekly timetable definition, daily shifts (up to three shifts), holidays, exceptions, incidence codes, customized messages (allow communicate work hours or other information for each user).
- > Functionalities: Antipassback, upgradable Firmware, several user enrolment methods, capacity management, work hour management, door open siren with no permission, compatibility with other terminals and protocol continuity with previous versions, etc.
- > Stainless Steel, Office case or OEM (for mechanical integration).
- > Possibility to realize changes for projects (minimum units required).
- > Excellent quality and competitive price.

Typical applications

- > Ideal time&attendance control and standalone access control in which it's needed to recover all registers and/or monitoring it at real time.
- > Work hour management and time&attendance for companies, hotels, hospitals, schools or offices time sharing. Access control and time&attendance control in high security surrounds in which a safety and reliable access is required.

Technical specification

Fingerprint Sensor	Optic; Resolution 500DPI; Auto-on.
Biometric Identification / Verification	1:N; 1:1.
Algorithm	FRR: <0.1% FAR: <0.001%.
Number of fingerprints (Biometric)	1.000 to 4.000 depending on version
Number of users (Mifare, 125kHz, eNDI,...)	7.500
Number of logs	15.000
Number of incidences	255
Number of customize messages	As many as users
Number of relays	4 relays (optional up to 6 relays)
Digital inputs	4 digital input
Ports	Depending on model
RS-232	9600, 19200, 38400 bps Integrated on board.
UDP, TCP/IP	Integrated on board.
Wi-Fi	With converter.
Programming	OCX, ASCII frames.
Worked hours	Controlled by SW.
Remote module control	Yes for relays, readers, display and board
Firmware	Upgradeable by RS-232 or TCP/IP
Supply	5V.
User enrolment	Remote, local immediate and local delayed.
Operating temperature	from -20°C to 80°C
Stainless Steel case	14,8h x 20,7 x 5,9 (8,2) cm / aprox. 1,7 kg.
Office case	16,5h x 22,1 x 6,1 cm. / 600 gr.