RFID, NFC, biometric and code security

Individually manage hundreds of keys

Systematic event recording

Existing system integration

Fully expandable and networkable

i-KEYSAFE™ Intelligent, Secure Key Management Solution

i-KEYSAFE
Integrated Technology

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i-KEYSAFE™ Secure Key Control Cabinets

They i-KEYSAFE™ system is an intelligent key management and storage system for the safekeeping and automatic recording of asset and facility keys. The system can be connected and integrated with existing facility automation and security network systems to provide 100% control.

The i-KEYSAFE™ is a smart security key storage cabinet, which provides access to embedded keys with a personal proximity card, PIN number, NFC or optional biometric identification. The cabinet locks each key in place inside secure holders which means even after accessing the cabinet the keys are secure and only approved keys will be released. The cabinet can be connected to a computer network to facilitate remote monitoring of cabinet and individual key status.

Keys: The Who, Where, and When

Applications: banks, government institutions, military, power plants, car dealers, rentals, factories, stores, security companies, hospitals, clinics, hotels, and motels.

- Intelligent, secure storage with proximity card, PIN code, and/or optional fingerprint opening
- The cabinet can be opened only with authorized ID
- Access is fully monitorable
- Can be connected to a PC via Ethernet - Wi-Fi option, for management, reports, and logs
- Multiple key management, systemic management of the tracked assets
- Recordable data: person, time, and keys
- Individual user access rights can be given and withdrawn by keys; via Internet also
- Online-offline communication: automatic or mixed-mode communications. Can be programmed through the integrated touchscreen industrial PC and/or with the software on the remote network
- Management software, which can integrate with the other modules (e.g., access control, time-attendance)

Features of the onboard industrial grade PC
- Stand-alone, uninterrupted offline operation, even in the case of network breakdown
- Key search function (Where is the Lexus key? Which position in the cabinet? Or, is it in another cabinet?)
- On screen log of door openings, keys and reservation information
- Key pick-up authority management available on screen with admin access
- At identification, the user's name and photo ID can be displayed on the screen

Options:
- Fingerprint reader for the cabinet door
- Vandal prevention crimped keyring
- SMS alarm if someone exceeds the time limit, e-mail alert about the movement
- Custom sizes: i-KEYSAFE™ key storage capacity 8 to 304 keys

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i-KEYSAFE™
Controlled access and storage of keys

With the intelligent i-KEYSAFE™ Lock key cabinets you always know where your keys are. The key cabinet opens with personal RFID proximity ID, PIN code or fingerprint. Keys are individually secured by internal electronic locks with RFID tags, this means only approved keys can be removed by specifically identified employees. The management of each key can be configured locally by person and by time period. All events, including door access and key removal and replacement, are recorded in real time. The i-KEYSAFE™ checks each and every interaction to ensure only approved staff have access to the keys they need. The system alerts in case of a missing key or overdue keys or by setting if someone fails to put the key in its position. The i-KEYSAFE™ cabinets are suitable for professional use with high security levels.

i-KEYSAFE™ Software – Key Management and Control Software

Our software forms an IP-based control and management system interlinking keysafes and cabinets, controlled by an SQL database housed on a central server.

The i-KEYSAFE™ software controls all aspects of the user configurable workflow for key allocation and asset control. It knows who took the key, where it was taken from, how long it was out and when and where it was returned.

The full reporting package automatically logs all activity including:

- The current location of all keys within cabinets
- The current allocation of all keys in circulation
- The time/date and location of key allocation and return
- The status of any overdue keys

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i-KEYSAFE™ Intelligent Key Cabinets

Stand-alone or Fully Networked Deployment

The i-KEYSAFE™ system is equipped with an on-board, industrial grade PC. The system can work in either offline or online modes. When offline, it is a self-contained secure key managment system. With a built-in touch screen interface, each i-KEYSAFE™ cabinet can be independently managed and configured.

When networked to a local or wide area network, it enables remote configuration and fully centralized, configuration, key management and reporting. Through the network, an access administrator can monitor all key movements and view reports. Both versions support multi-cabinet systems and our unique key search function.

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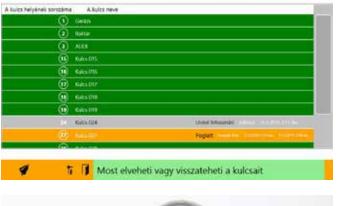Integrated Technology for Greater Security™

Features

- The intelligent, safety key cabinet can only be opened with an ID card, fingerprint or NFC cell smart phone
- User can only access key with permission
- Automatic bolt locked RFID proximity key plugs
- Identification of keys by RFID key plugs
- Records door openings, user identity, time, key pick-up and key replacement
- Number of keys is expandable
- Authority can be given and withdrawn per key
- Authority management via internet, with the i-KEYSAFE™ management software
- Modular and expandable key storage
- Management via the touch screen and/or remote management
- "Where is my key?" function
- Management for several cabinets in one network
- Online-offline communication
- Can be wall-mounted
- Power supply: 12V (12V/230V, 48 hours UPS)
- Several cabinets can be connected to one data cable
- Safety glass door with optional full steel
- Robust steel case, indoor design: static powder coated stainless steel cabinet in color RAL7035. Available IP65 outdoor design with brushed stainless steel cabinet, or built in a strong-box.

Options

- Cabinet door fingerprint reader
- Door can be opened with the customer's existing cards
- Wi-Fi communication
- Vandal prevention crimped keyring
- SMS alarm if someone exceeds the time limit
- Email alert about the movement
- User required to input actual mileage of returned vehicle on touch screen
- Integration with alarm system
- Integration with the access control system: enables exit permission only if the user brings back all keys
- Online version
- Full steel door instead of the standard glass door
- Email alert for "key return is required"
- Integration to access control system: enables entry and exit control with checked-out keys
- Outdoor design with brushed stainless steel construction and optional canopy for additional protection
- Direction of access door can be configured

i-KEYSAFE™ has a storage capacity from 8 to 400 keys in secured and managed locations. The number in the model name denotes the number of keys in that system. The system is fully expandable, extra key modules are available in banks of 8.

i-KEYSAFE™ 8 (8 key capacity)
i-KEYSAFE™ 16 (16 key capacity)
i-KEYSAFE™ 32 (32 kay capacity)
i-KEYSAFE™ Lock 64 (64 kay capacity)
i-KEYSAFE™ Lock 96 (96 kay capacity)
i-KEYSAFE™ Lock 112 (112 kay capacity)
i-KEYSAFE™ Lock 144 (144 kay capacity)

Elements of the i-KEYSAFE™ System

The i-KEYSAFE™ Lock steel housing, safety glass doors, wall-mounted key box includes: integrated safety RFID magnetic lock, integrated status LED, electro-mechanical locking RFID key slots, RFID key chain, RFID proximity card reader and industrial PC with touch screen, offline-online operation, Ethernet, and powder steel housing. with indoor and optional outdoor construction, the system is equipped with an internal UPS providing power in the event of failure. The software's i-KEYSAFE™ module (PC/Windows) together form a complete system that allows key usage that can be monitored, managed and integrated with a building management system.

Optional Connection to a Building Access and Security Control System

The i-KEYSAFE™ system can be configured whereas employees can return keys to any networked cabinet. The system tracks every individual key, recording the exact location of each key in each cabinet.

The system can be configured so that an employee cannot leave the facility or building without returning any checked-out keys. This can be an automatic function or set up as an alert sent to management for consideration. It is also possible to send an alert to the security checkpoint to stop the employee and recover the keys. Used as part of a whole facility security platform, i-KEYSAFE™ works seamlessly in the background to secure your assets.

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Key security and control systems