

Smart Electronic Locking Systems

Compatibility

Smart locking solutions are especially suitable for locations where management of the users' storage spaces is troublesome and frequent. Typical sites include large schools, hospitals, spas, and offices. The system supports temporary and longer-term storage needs and their combinations.

Up to 90% time savings in management can be achieved with the system's products.

Real-time system

In the smart locking system, access right changes are automatically updated among all locks immediately. Time-consuming walks to the lockers are not required to add or delete users; this can be done conveniently using a browser-based application. Losing a key no longer requires an expensive visit to a locksmith.

The system also provides up-to-date information on locker locking status, utilisation rate, and users. The system allows dynamic use of the lockers – the users do not have personal lockers but can choose a free locker at the most convenient location. This means that less lockers are required, which results in considerable savings in overall costs.

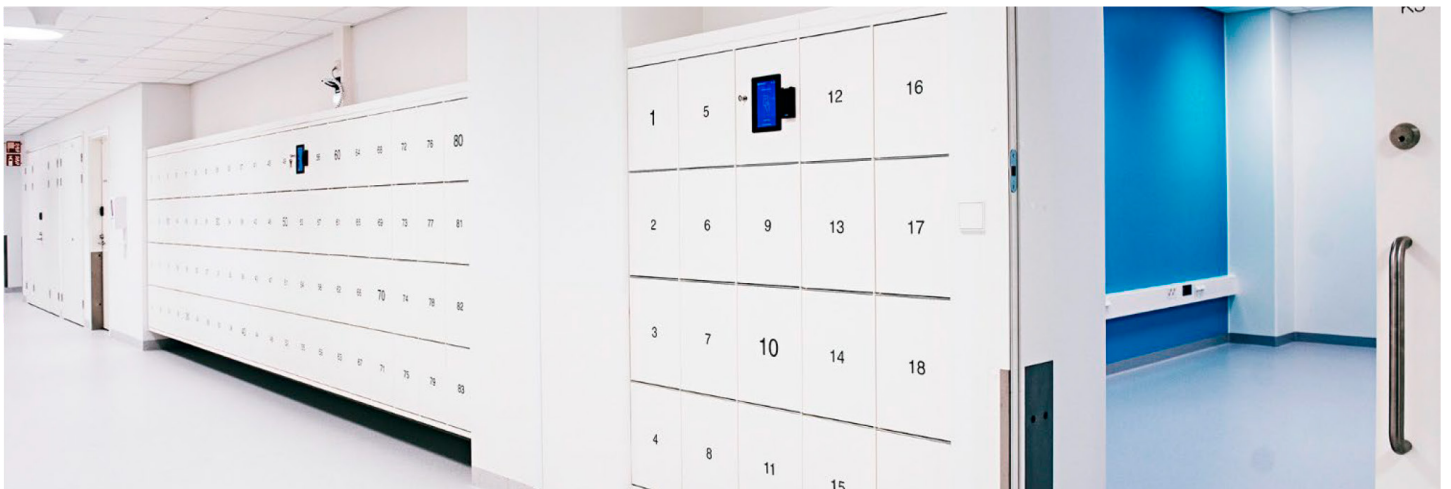
Management

Lockers can be managed using management software or an operator terminal. Individual lockers can be unlocked, vacated, disabled or enabled using the software or terminal.

The system can retrieve user data from the customer's pre-existing user register. This can be implemented as real-time integrated or timed data transfer: all user changes are updated automatically in the system and the access rights of former users are cancelled. The lockers no longer remain idle and ordering new keys to replace lost ones is not required.

Tags

In general, a RFID key card or access pass is used as the tag, i.e., electronic key. The system is compatible with most common RFID technologies, which means that pre-existing tags can be utilised.



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Benefits

Occupying several lockers is prevented

The system allows easy and flexible rights management, by which occupying several lockers at the same time can be prevented. If necessary, the rights can be modified locker or locker group-specifically.

Low maintenance costs

Losing a key no longer requires an expensive visit to a locksmith, as the key card can be easily removed from the system. The system is supplied from the mains, so there is no need for battery replacement. System updates are included under the monthly SaaS service payment.

Less need for expensive floor space

The intelligent locking system allows dynamic use of the lockers, as no one is granted a personal locker. At workplaces where the entire staff is not present at the same time, less lockers can be installed, thereby saving floor space.

Utilisation of existing user data

It is possible to import user data from other software into the system, thereby reducing overlapping data management. The data can also be integrated with locker management, for example, in facility management software. The importing can be automated and timed, so that changes are updated automatically.

Use of existing tags

In many cases, pre-existing RFID tags can be utilised. This way, the quantity of user tags can be reduced and the same tag can be used to operate, for example, access control and the locker system. User and card data can be managed in the system and the operations carried out read from the event log. Check tag compatibility with our sales department.

Timer function

Using timer functions, the locks can be programmed to unlock after a certain period of use or at a certain time. This way, locker availability can be better ensured in premises with limited storage capacity or used on temporary basis. Upon transfer, a locker can be reset for reuse or use of the locker prevented for such a long time that any belongings possibly left inside are removed before reuse.

Selectable operating principle

The system's operating principle can be based on one-time or continuous use. The one-time option is applied at locations where users vary, the continuous option at locations where users have their own personal lockers. Lockers set to either of the operating principles can freely coexist in the system.

Use reports

The system provides information on locker utilisation rates. This allows evaluation of whether the placement of the lockers is optimal with regard to their use. Proceeding from this information, lockers can be rearranged and the quantity and placement of lockers at the site optimised.

Remote use

Lockers and their functions can be remotely controlled using dedicated management software. Lockers can be unlocked, vacated, disabled or enabled without having to deal with the terminal.

Management software can be used from any terminal

The browser-based user interface allows system management from any terminal connected to the Internet.

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TECHNICAL SPECIFICATIONS

Function	Vecos
RFID technology (some require separate readers)	ISO 14443 A+B (Mifare, Desfire, SmartMX, etc.), ISO 15693 (SONY FeliCa, HID iClass and all LEGIC advant, prime)
Operation	One-time or continuous use status. Can be changed afterwards. Can be chosen locker-specifically.
Centralised reader operating principle	The card is read in the reader first and the door opened after that. The system chooses the locker.
Timer function	Yes
Software installation	SmartAccess: local Releezme: cloud or local
Licence	SmartAccess: one-time fee Releezme: Start-up + monthly fee
Offline asennus	Yes (selectable)
Burglar alarm	Yes
Reporting	Yes
Remote control	Yes
User data import	Yes. Timing options
USB charging in lock	Yes (0.6A) (separate charger available for locker)
Locker lighting	Yes
Lock type	Push to open
Centralised reader	Reader with touch screen