Smartphone based access/entry control

SmartAirkey is the novel system which provides keyless access from a Bluetooth / BLE enabled smartphone, allowing the user to get rid of keys,cards, ibuttons and store all keys in the single mobile application.
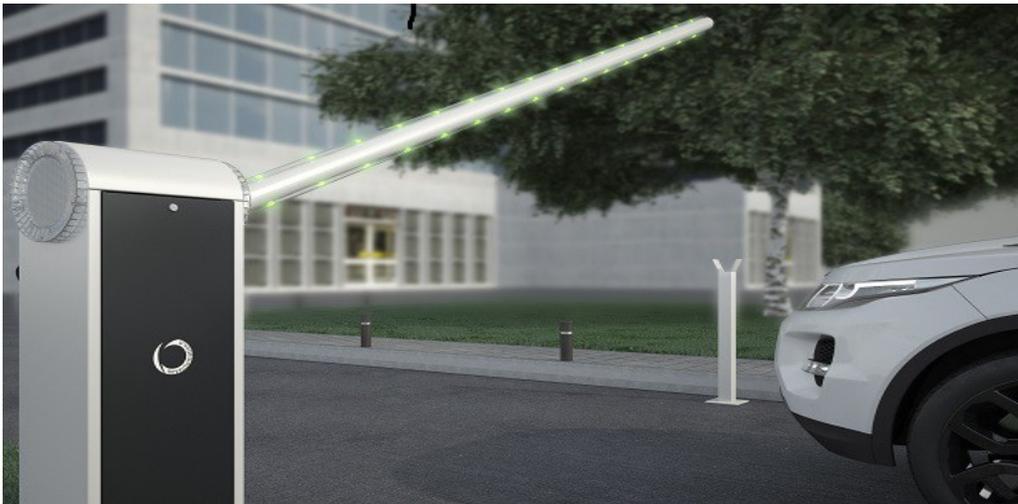
Manage / administrate the access of users from your smartphone:

Work Factory Barrier
Home Garage Door
Showroom Bollards
Work Sliding Gate
Site Swing Gate

Areas of application

For real estates and "smart homes".

     - Keyless access/entry the site, the front door, parking lot or garage with the "hands-free" function.

     - Simple provision the guest access by help of the mobile application (Android or iOS).

     - Simple integration with existing access control systems.

System features

     - The universal secure access / entry control solution using a smartphone for residential complexes, villas, garages,offices - all user's keys are stored in the single mobile application for smartphone.

     - Controller can manage almost any kind of electrical powered lock or latch.

     - Supports 95% of mobile devices on iOS and Android platforms.

     - Access controllers do not require connection to Internet or cellular networks, which simplifies installation and reduces operating costs.

     - Reliable protection of digital keys using a cryptographic protocol.

     - Digital keys for users issued remotely. The connection of smartphone to Internet is necessary only at the time of receiving a digital key and is not required to open the lock controller.

     - The "hands-free" feature to for providing the comfortable access.

     - Standard integration with modern access control systems.

System components

1. Access controller+Bluetooth reader

2. Mobile application for platforms iOS, Android

Access Controller+Bluetooth reader (SimpleLock)

Direct secure connection to a smartphone

with Bluetooth / BLE

Operation range -40 ° C + 60 ° C

Wiegand interface support

Embedded 220V ~ 3A relay

Embedded Wiegand interface (input+output)

Mobile application for iOS, Android

Access security, scalability and extensibility of functions.

- Opening by approaching to the controller,tilting smartphone or pressing virtual button from the mobile App.

- Customizable distance and response time.

- Operating in the background mode using energy saving mode.

- Encryption of keys and access in the application by pin-code or fingerprint.

Digital keys are secured by a cryptographic protocol based on the proven digital signature SHA-256 technology.