

SMART LOCKER for cabinets

The solution includes the following products:

- Motorized lock, electronic control unit, reader
- Accessories



Specification:

The solution must guarantee the installation on a wide range of cabinets and lockers in order to protect users's belongings in a secure place. By closing the door of the cabinet, the smart locker must automatically lock and using a valid credential the door has to unlock allowing access to the locker. The installation of the reader must be easy and fast needing only 2 screws and a hole for cables passage and the system must be battery powered allowing easy installation in new lockers or retrofit in existing lockers currently operated by keys. The reader must operate at 13,56 Mhz ISO 14443 A/B and must be compatible with card or tag Mifare Classic, Mifare Plus and Mifare DesFire, with BLE reader for the version compatible with ISEO ARGO. The readers wakeup patented system of the Smart locker with a credential has to allow an energy efficient battery management by 2 lithium batteries model ER14505M (3.6V AA). The batteries must be in the internal side of the door in order to avoid any manipulation or vandalism. In case the batteries are discharged or not working, Smart Locker can be powered from the outside using the accessory for electric emergency. For the version compatible with ISEO ARGO it must be possible to memorize up to 300 users credentials (cards, phones, Apple watch), record the last 1000 events, operate with ISEO user card or legacy generic cards as contactless credit cards, public transportation tickets, time attendance cards and guarantee an administration with 3 levels Master cards set keeping a safe system management even in case of lost Master cards, login with authorized smartphone to manage doorlock, management for each user Start and end validity date, weekdays time tables access for each user management up to 2 time tables per user, door schedules up to 2 time tables per user, invitations and Remote Key Delivery, remote opening and communication with Bluetooth Smart ready phone up to 10 meters, quick visualization of battery status Software upgradable on site via the Bluetooth Smart Ready phone. The management App must work in iOS and Android Bluetooth Smart Ready phones, Android from version 5 and iOS from version 10. Communication via Bluetooth Smart (Bluetooth Low Energy or Bluetooth 4.0) must guarantee Secure Communication protected with AES 128 encryption, AES Session keys AES generated with a DHEC (Diffie Hellman Elliptic Curves) algorithm and Random Number Generator NIST (National Institute of Standard and Technology) compliant. No additional software has to be installed and the App has to be available in 25 languages.