

# ENTRIXIA

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**Access control  
system**



**Smart Bluetooth  
locks**

**Built for every scenario**

# Smart and customizable Bluetooth system

ENTRIXIA

## Features and functionality



Locks can be configured and controlled according to customer specifications, through access scheduling and control of each opening



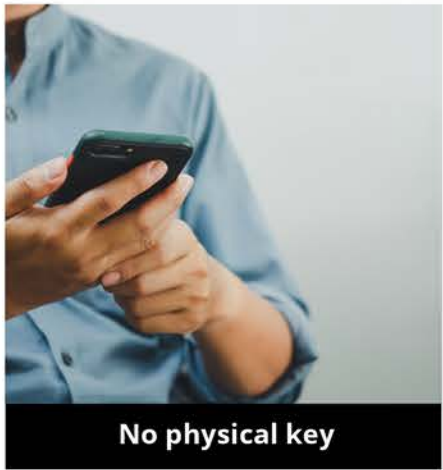
Easy and intuitive software and apps, with ongoing support from our technicians.



Real-time monitoring of each lock's status, battery status, and access logs.



Create dedicated blacklists and whitelists. Set specific permissions for each user, blocking access at specific times or days.



No physical key



Integrated security



Quick installation



Best value for money



Offline operation



User friendly



## ENTRIXIA

Our access control system is ideal for co-working, co-living, hospitality, schools, businesses, and organizations with high staff turnover.

Entrixia simplifies the management of each of these situations, monitoring access and movement of people in every scenario.

Bluetooth



Pincode



## Opening modes

Temporary PIN



Card



SCENARIO

Our Entrixia access control solutions are designed to adapt to a wide variety of complex and unique applications and environments, on a global scale. They easily and securely manage access to homes, offices, and shared workspaces. Regardless of your specific context, our system adapts seamlessly, making day-to-day access management simpler and more seamless for everyone.



HOME



SHORT TERM RENTALS



SHARED SPACES



SHOPS



HOTEL



OFFICE



SCHOOLS



HEALTCARE



LABORATORIES

MODALITY

Each management method has advantages and disadvantages, focusing on security, cost-effectiveness, or convenience. At the same time, by choosing the right locks, auxiliary equipment, and doors, you can achieve the appropriate configuration and optimal system management based on your needs.

|                             | WITHOUT GATEWAY                     | WITH GATEWAY                                  |
|-----------------------------|-------------------------------------|-----------------------------------------------|
| Security                    | High                                | High                                          |
| Permission change frequency | Basso                               | Alta                                          |
| Scenarios                   | Long term users                     | High frequency users                          |
| Validity of permits         | Editable locally                    | Editable remotely                             |
| Change in users             | By Cloud - locally                  | By Cloud                                      |
| Initial setup and upgrade   | Locally                             | Remotely                                      |
| Software                    | Entrixia Cloud Suite + Entrixia APP | Entrixia Cloud Suite + Gateway + Entrixia APP |
| Hardware support            | Android and IOS                     | Android and IOS                               |

PLATFORMS

Entrixia Cloud Suite is a cloud-hosted software solution designed for advanced access management. This tool allows users to create and manage RFID cards, schedule access based on specific dates and times, configure detailed permissions for various access levels, and send security credentials directly to end users.



## SOLUTIONS

The Entrixia system combines electronic locks, ancillary equipment, and management software, offering customers a configurable, easy-to-maintain, and installation-free solution. This system is ideal for managing access anytime, anywhere.



Online by phone

Online by gateway



Locally by Card

Locally by Pincode



### ACCESS MANAGEMENT IN SMART BUILDINGS

- **Smartphone Authorization:** After installing the lock, authorizations are configured via the management app on your smartphone.
- **Card Authorization:** After installing the lock, authorizations are set on the lock via a portable device. Authorizations are written to the IC card using a local encoder.
- **Online Wireless Mode:** The access control system connects the lock and the platform software via a wireless gateway, monitors the lock's status online, and collects and updates data in real time.

## ACCESSORIES

### Mobile encoder



Mobile data exchange device, integrating data acquisition, data processing, and wireless transmission capabilities. Users can use the device to complete auxiliary installation, configuration, and management.

- Body material: Plastic
- Communication: Bluetooth and NFC communication
- Communication distance: Bluetooth up to 1m, NFC up to 3cm
- User interaction: 5-inch touch screen
- Communication interface: Supports USB interface and wireless data interaction
- Power interface: USB
- Working environment: Indoor

### Smart relay



The relay allows the opening of automatic systems and electric locks on gates or turnstiles, even in condominiums.

- Installation: Box or DIN rail mounting
- Body material: Plastic
- Communication mode: Bluetooth Low Energy - RS485
- Communication distance: Less than 10-15 m for indoor applications
- Network connection: 12V power supply
- Working environment: Indoor

### Encoder USB



Connected to the computer client, it supports card reading and writing; the communication process is protected by encryption. This is the primary device for writing credentials in a mode where data is transported via card.

- Housing material: plastic
- RF frequency: 13.56 MHz
- Read/write distance: less than 3 cm
- Communication interface: USB
- Power interface: USB
- Supported card types: Mifare Classic, Mifare Desfire
- Working environment: indoor

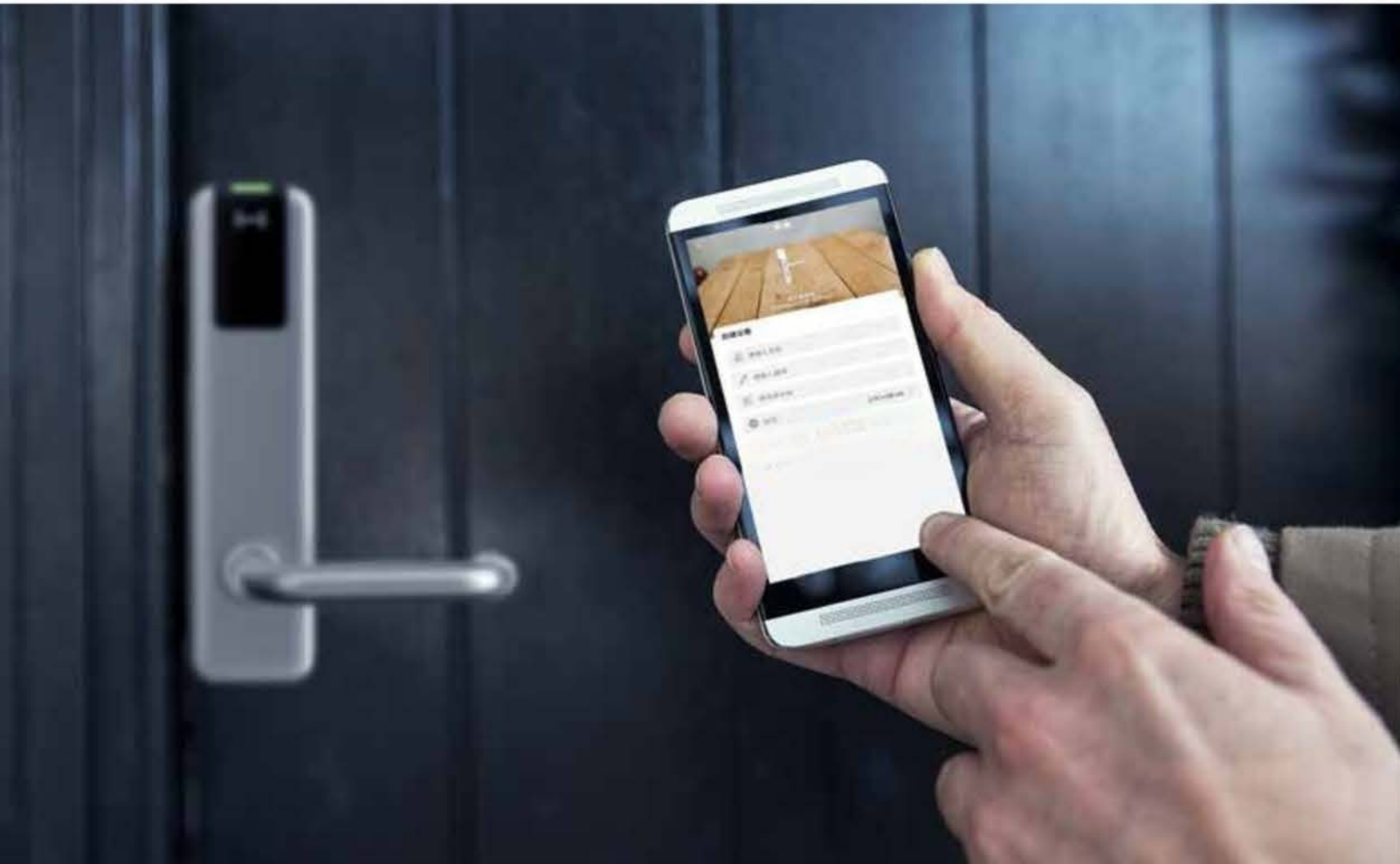
### Gateway



The gateway enables communication between the server and access systems via an encrypted Bluetooth channel. It monitors locks and allows remote locking and unlocking.

- Installation: Overhead installation
- Housing material: Plastic
- Communication mode: Bluetooth Low Energy
- Communication distance: Less than 10-15 m for indoor applications
- Network connection: PoE (12V power adapter optional)
- Indicator functions: Breathing light and status indicator
- Working environment: Indoor

HOW IT WORKS



Entrixia Cloud Suite

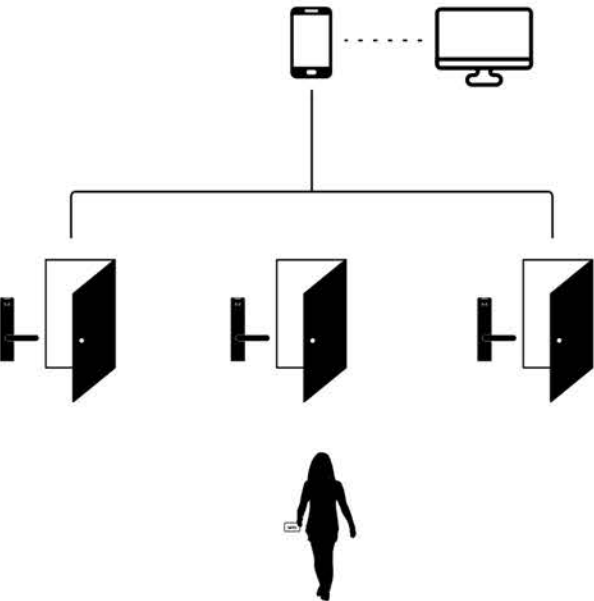
- Adding and Removing Users
- Editing Users
- Configuring Permissions
- Battery Status

Administration smartphone

- Device Setup
- Lock Data Download
- Administrator Settings
- Lock Status and Log Download
- Software Upgrade

Lock

Every setting and configuration made on the administrator smartphone is sent to the lock, the status of the lock is updated on the cloud with every connection with a smartphone



FEATURE



The system can be easily configured and managed using a portable device or smartphone, allowing you to set permissions, program locks, and collect access data.



The system can be used through a centralized cloud platform , or managed locally using dedicated software, ensuring effective synchronization in both cases.



All access authorizations are stored directly in the locks, and doors are opened by verifying the card or device ID.

| Software             | Descrizione                                                                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrixia APP         | Lock and event management, configuration downloads, and access permission changes. Status checks and software upgrades.                                                                                              |
| Entrixia Cloud Suite | Lock and event management, configuration downloads and card access permission changes, user credential management and log history, adding administrators and access scheduling. Status checks and software upgrades. |



Home



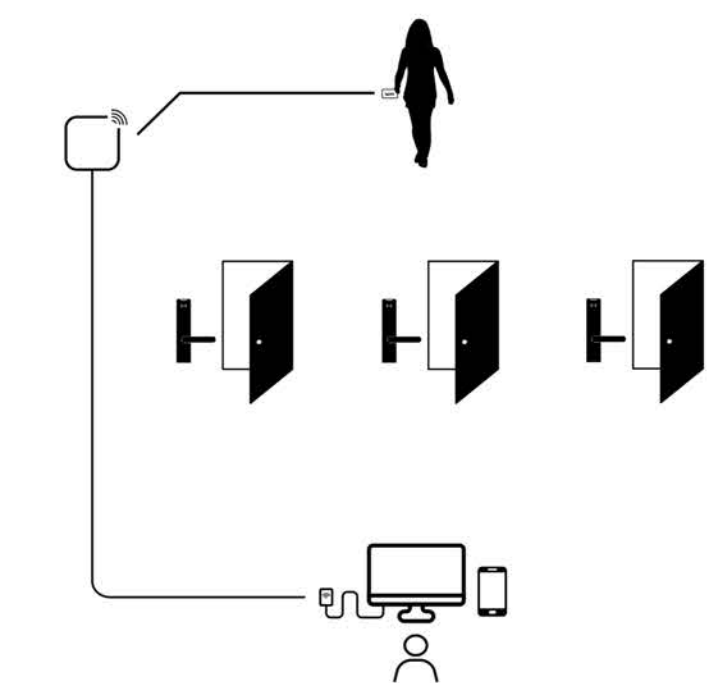
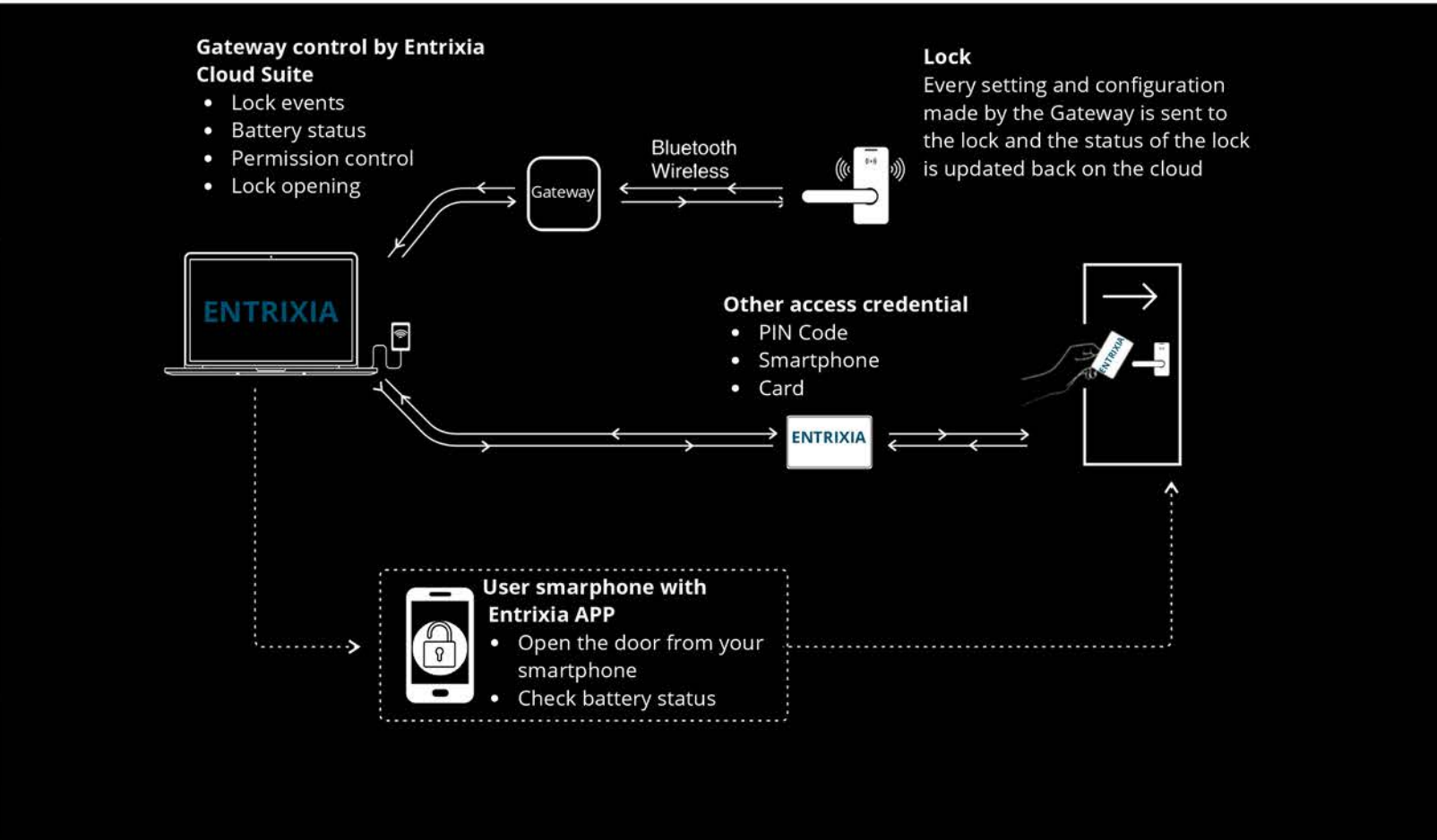
Offices



Shops



HOW IT WORKS



FEATURE

- The system can be configured and installed using a computer or portable encoder, allowing you to collect recordings, check the status of the locks daily and manage maintenance.
- When the device is online, it can update permissions, change configurations, and collect event logs in real time. When offline, it can operate by pre-setting permissions on the card.
- The system can synchronize the authorization management key online, instantly change authorizations, and monitor the status of locks and opening and closing logs online.
- The online solution enables encrypted two-way communication between the locking device and the gateway. Real-time communication allows for effective monitoring of system usage.

| Software              | Descrizione                                                                                                                                                                                                          |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EntrieXia APP         | Lock and event management, configuration downloads, and access permission changes. Status checks and software upgrades.                                                                                              |
| EntrieXia Cloud Suite | Lock and event management, configuration downloads and card access permission changes, user credential management and log history, adding administrators and access scheduling. Status checks and software upgrades. |



Hotel and Resort



Facility and production



Business Center



The Entrixia EXC series is part of the company's residential and commercial lock product range. It supports leading communication and verification technologies such as RFID, NFC, and BLE, and collaborates with various application systems to achieve effective access control in various scenarios. The electronic cylinder can replace the traditional mechanical one, and a wide variety of lock types are available to choose from. Each solution allows for multiple door opening methods, and the use of an electronic key as a backup represents one of the most cost-effective security solutions on the market.

The EXC series includes European, Swiss, ANSI, Scandinavian, Japanese, and specialty cylinders such as padlocks and cam locks, offering a perfect locking solution for various markets.

Product Features:

- Quick and easy conversion: from mechanical cylinder to electronic cylinder.
- High-strength design: robust internal cylinder with integrated verification module.
- Modularity: the cylinder is composed of removable modules for easy assembly and maintenance.
- High security: uses AES128 encryption.
- Anti-burglary design: equipped with anti-burglary sensors and an audible and visual alarm function.
- Supports major opening methods: such as RFID cards, passwords, NFC, and BLE via smartphone.
- Comprehensive services: configuration and installation, daily maintenance, and updates via mobile phone.
- Flexible settings: allows convenient and flexible configuration of management functions depending on different management systems.
- Authorization management: on the lock, on the card, or online, as needed.
- Emergency support: use the smart key system to open in emergencies.

Technical Parameters

- Door thickness: 35mm to 120mm.
- Low voltage signal: Low voltage alarm, the lock can be opened up to 100 times after the alarm.
- Communication distance: Less than 10m for Bluetooth, less than 2cm for RFID card.
- Bluetooth pairing time: Less than 7 seconds.
- Power supply: 1 CR2 battery | Up to 20,000 openings | 2-year lifespan (depending on use).
- Number of users: At least 2,000.
- Access log: Stores the last 500 events.
- Supported temperature: -20°C to +60°C.
- Humidity: 0% to 95%.

Supported Modes:

- Standard Mode: Normal operation with all features enabled.
- On/Off Mode: Manually activate or deactivate the lock.
- Turn On/Off Mode: Timed activation or deactivation of the lock.
- Office Mode: Allows opening during office hours and automatic closing afterward.
- Disable Mode: Temporarily deactivates the lock's functionality

ID Technology:

- Mifare Classic, DesFire, NFC, BLE ID

Supported Systems:

- All software systems

Special Features:

- Wireless Update and Maintenance



| Wide choice                                                                                                                                                                                | Easy to install                                                                                                                                | Design User-Friendly                                                                                       | Simple Maintenance                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable for a wide range of door types, with various options to choose from, including various finishes, colors, and lengths. Highly integrated lock cylinders offer maximum flexibility. | Simply replace the mechanical lock with a smart one, with no wiring or drilling required. Installation can be completed in just a few minutes. | Use an intuitive application to quickly set up your system in minutes and perform maintenance and updates. | There's no need to remove the lock for maintenance. The battery can be quickly replaced by simply removing the handle, and in an emergency, an electronic key can be used to open the lock. |



| Specifications                                                                                                                                                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>• CE and RoHS marked</li><li>• FCC certified</li><li>• 96-hour salt spray test</li><li>• IP66</li><li>• EN1634-2 100 min</li><li>• 200,000 cycles lifespan</li></ul> |

ELECTRONIC HANDLES

The Entrixia EXH series is part of the residential and commercial lock product range. It supports leading communication and verification technologies such as RFID, NFC, and BLE, and manages various application systems to ensure effective access control in a variety of scenarios. The electronic handle can replace existing mechanical locks on various door types without the need to replace the actual lock, providing secure and reliable access control in a cost-effective manner.

To accommodate different door types, specifications, and colors, the electronic lock offers a variety of elegant and well-designed internal plates, ensuring security, reliability, and ease of installation.

The EXH line includes European, Australian, and Scandinavian narrow-profile locks, ANSI wide-profile locks, and panic handles, providing ideal application solutions for a variety of customers.



Product Features:

- Durable Materials: Use of SS304 stainless steel with passivation treatment, ideal for aggressive environments.
- Versatile Installation: Mounts directly on wooden, glass, or metal doors.
- Adjustable Opening: Customizable opening mode depending on the door configuration, whether left or right, internal or external, based on specific needs.
- High Security: Use of AES128 encryption for advanced protection.
- Burglar-Resistant Design: Equipped with burglar-proof sensors and an audible and visual alarm function.
- Modern Opening Methods: Support for major access technologies, such as RFID cards, passwords, NFC, and Bluetooth (BLE) via smartphone.
- Complete Management: Configuration, installation, daily maintenance, and updates can be performed via smartphone.
- Flexible Settings: Adaptability to different management systems for easy and flexible configuration of management functions.
- Authorization Management: Choice between authorization management directly on the lock, on the card, or online.
- Emergency Opening: Support for multiple emergency opening methods



Technical Parameters

- Door Thickness: 35mm to 120mm.
- Available Square: Standard 8mm (optional 8.5mm, 9mm).
- Low Battery Alarm: Low voltage warning, allows opening up to 100 times after the alarm.
- Communication Distance: Less than 10m for Bluetooth, less than 2cm for RFID card.
- Bluetooth Pairing Time: Less than 7 seconds.
- Power Supply: 3 alkaline batteries | Up to 20,000 openings | 2 years (depending on use).
- Number of Users: At least 2,000.
- Operation Tracking: Stores the last 500 events.
- Supported Temperature: -20°C to +60°C.
- Humidity: 0% to 95%.

Supported Modes:

- Standard Mode: Normal operation with all features enabled.
- On/Off Mode: Manually activate or deactivate the lock.
- Turn On/Off Mode: Timed activation or deactivation of the lock.
- Office Mode: Allows opening during office hours and automatic closing afterward.
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ID Technology:

- Mifare Classic, DesFire, NFC, BLE ID

Supported Systems:

- All software systems

Special Features:

- Wireless Update and Maintenance

Optional Lock Structure:

- Handle Shapes: U-shaped and L-shaped.
- Materials: Satin stainless steel, Satin black chrome.
- Plastic Cover: Black, White.

AOther Optional Features:

- Optional Sensors: Lock status sensor, door status sensor, handle status sensor.
- Anti-Privacy Function: Optional implementation of the anti-privacy function.
- Waterproof Components: Waterproof gasket, base plate, and emergency lock cylinder are optional.
- PIN Code Panel: Optional for password verification.
- Intelligent Gateway: Optional for real-time networking of the lock.

Wide Applicability

Suitable for a wide range of door types, offering different options such as various finishes, colors and lengths.

Easy to Install

Simply replace your mechanical lock with a smart one; no wiring required

Design User-Friendly

Use our intuitive app and you can also unlock your lock with a simple touch and manage maintenance and program updates.

Easy Maintenance

Easy battery replacement and quick problem diagnosis thanks to integrated sensors, with update support.

High Reliability

Modular and simple design, the handle requires no maintenance. Made with high-strength materials to stand the test of time.



Specifications

- CE and RoHS marking
- FCC certification
- 96-hour salt spray test
- IP55
- 100,000 cycle lifespan