

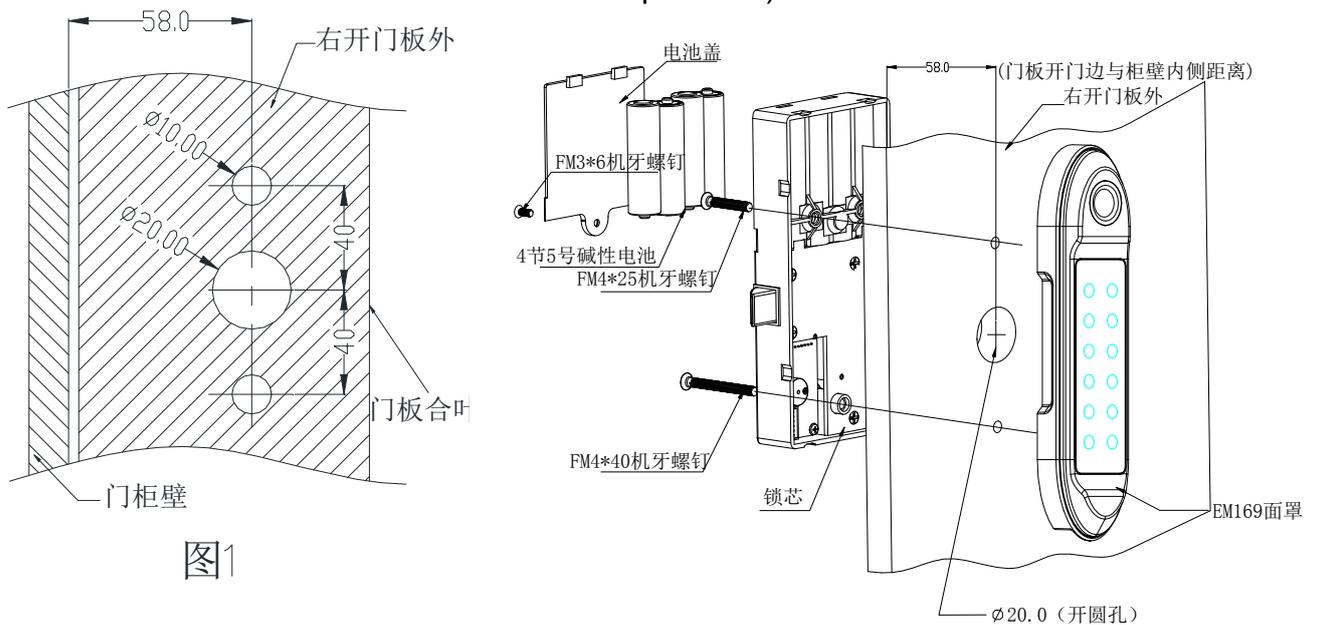
# EM169 TTlock code APP card cabinet lock

## 1. Product Features



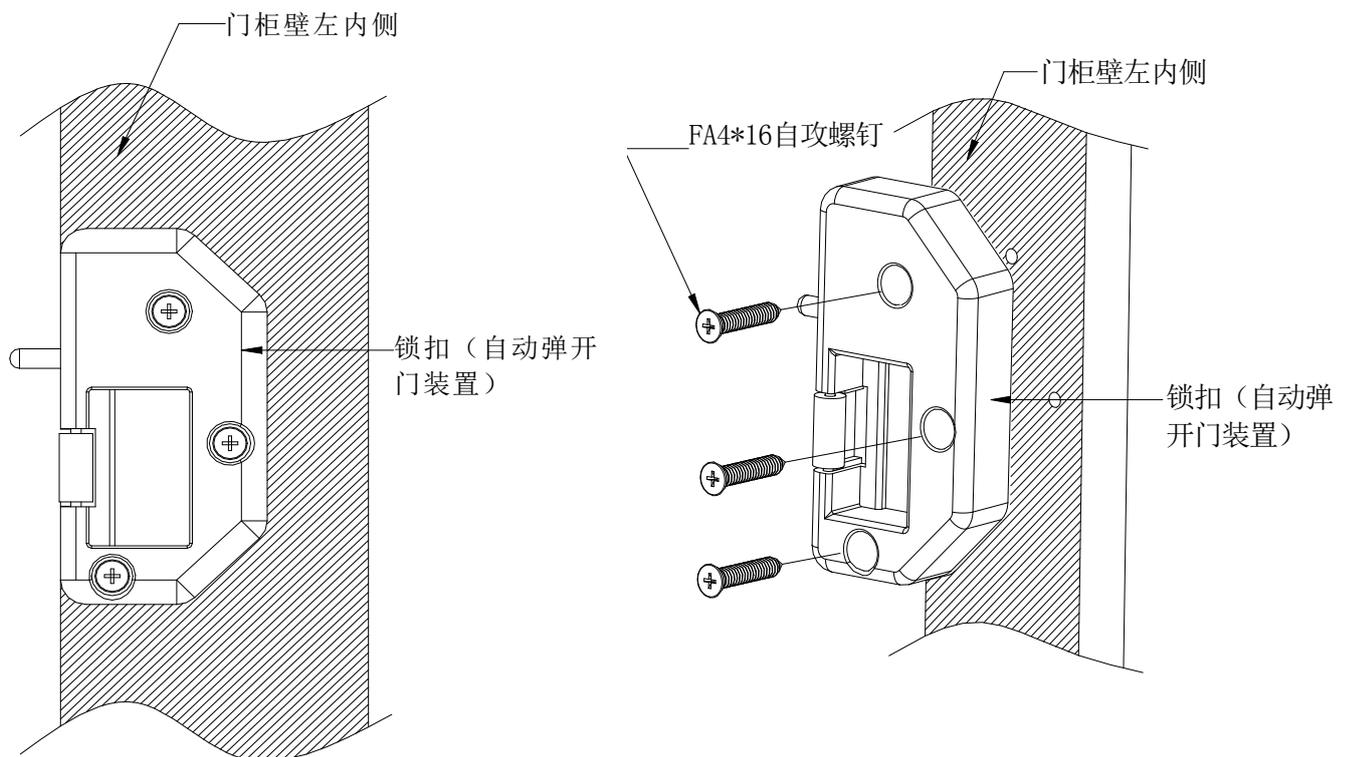
## 2. Installation

**2.1 Door panel open hole:** at the appropriate height of the door panel, at the 58MM of the side wall with the door panel, drill a round hole with a diameter greater than or equal to 20MM and two small round holes above and below this round hole. see picture 1)



## 2.2 Install the card reading mask and lock box:

Pass the cable of the card reader mask through the door hole; put the socket of the reader PCB in the door hole, place the front mask, and pass the two screw posts on the mask through the two small circular holes on the door; hold the lock box to read the card. The mask PCB cable is connected to the lock box PCB; the lock box fixing seat is placed in the hole, and the lock box is aligned, so that the lock tongue opens toward the door cabinet, and the screw holes are aligned; remove the battery cover and use 2 countersunk head teeth 4\*25. The screws can be fixed with the mask. Please see (Figure 2)



## 3. System

This system uses Nordic 51802 Bluetooth chip as the main control, supports Bluetooth Low Energy (BLE 4.1), can manage door lock (password, electronic key, IC card) and unlock through App, and supports password unlock and IC card unlock. The door lock supports firmware upgrade, and software functions can be expanded through firmware upgrade.

App electronic keys, passwords, IC cards, can specify the validity period (start time-end time), the lock can only be opened within the validity period.

### 1) Mobile phone Bluetooth unlock

Based on Bluetooth low energy technology, it can be unlocked conveniently through mobile APP.

## 2) Remote distribution of electronic keys

The electronic key can be sent to the tenant at any time, and the validity period of each electronic key can be flexibly set, or the electronic key can be frozen/unfrozen.

## 3) Password unlock

It can be unlocked by touching the numeric keyboard to enter a valid password within a certain period.

## 4) IC card unlock

You can open the door by swiping the IC card with the information entered.

## 5) Unlock record monitoring

The password, IC card, and APP unlocking are all kept records. After any mobile phone APP operates the door lock and connects to the network and synchronizes the information, you can see all unlocking records on the administrator APP.

## 3.1 Parameters

Bluetooth standard	Bluetooth 4.1BLE	
Supported mobile phone system	Android 4.3/IOS7.0 or above	
Power supply	4pcs alkaline dry batteries	
Low electricity alarm voltage	4.8V	
Voltage range	4.5~9V	
Standby current	65 uA	
Working current	less than 200 mA	
Unlock time:	≈1.5 seconds	
Operating temperature range:	-20~70 degrees Celsius	
Button type	Capacitive touch button	
Password capacity	custom and permanent passwords	150 pcs
	Other dynamic passwords	150 pcs
Supported card types	MIFARE M1 card	
IC cards capacity	200pcs	
Unlocking method	App、Password、IC card	
Motor interface output voltage	battery voltage minus 0.3V	

## 4. Operate Instructions

Function	Operation
1. Restore factory settings:	Long press the reset button on the lock, hear "please enter the initialization password", enter 000#, the lock restores the factory settings, clear all passwords, cards and mobile phone administrators.
2. Set the administrator password	When the administrator password is not set or the mobile phone administrator is not added, enter *12#123456# -> enter the administrator password# -> enter the same password# again. <b>Note: When using the mobile App management, this step does not need to be done.</b>
3. Change administrator password	Select the lock on the App -> click Settings -> click "Administrator unlock password" -> enter the new administrator password. <b>Note: It must be operated on the lock.</b>
4. Add phone manager	When the administrator password is not set or the mobile phone administrator is not added, touch the panel and hear "Please add a mobile phone (Bluetooth) administrator" to add the door lock on the App.
5. Delete the phone administrator	Select the lock of the mobile phone administrator to be deleted in the App, click Settings, and click Delete. <b>Note: After deleting the administrator on the App, the lock is restored to the factory settings, and all passwords and cards added before are invalid.</b>
6. Password lockout	When the lock is in the open state, close the door and enter a custom password to lock. After the lock is successful, the custom password is the next unlock code.
7. Password unlock	When the door is closed, enter the custom password used for the last lock to unlock.
8. IC card lockout	When the lock is in the open state, close the door and swipe any IC card to lock. After the lock is successful, this IC card will be the next IC card to be unlocked.

9. IC card unlock	When the door is closed, the IC card can be unlocked by swiping the last IC card.
10. App unlock	App unlock: Click the lock icon on the app to unlock. <b>Note: The lock must be unlocked on the edge of the lock. When there is a gateway, the remote unlock function can also be unlocked after the remote unlock function is turned on (the remote unlock is turned off by default).</b>
11. Lockout	After unlocking, enter the new password or refresh the IC card, the lock is closed
12. check unlocking records	Select the door lock on the App and click the operation record to view it. <b>Note: When there is no gateway, the unlocking record of the IC card/password can only be viewed after unlocking through the App.</b>
	Click on an IC card/password on the App and click on the operation record to view all the records of the IC card/password.
13. Low battery prompt	When the battery voltage is lower than 4.8V, touch the panel, the voice prompts "insufficient power, please replace the battery", and the screen backlight flashes quickly for 1 second. Before unlocking the IC card/password, the voice prompts "insufficient power, please replace the battery", and then unlock.
14. *Key	During the password input process, press the * button once to delete the last password number entered. After all deletions and all entered numbers are deleted, press the * button three times, and the screen will go out.
15. Firmware upgrade	The lock can be upgraded through the app, click on the app -> lock upgrade to upgrade the new firmware of the lock. <b>Note: It must be operated on the lock.</b>
16. Demo Mode	The demo mode is disabled by default. When no administrator is added, enter 24679# on the lock to open the demo mode. After the demo mode is turned on, any fingerprint and password 123456 can be unlocked. After setting the administrator password or adding a mobile phone administrator, the demo mode is automatically closed. .

Voice switching	<p>Chinese Voice: Enter "*39#Admin Password#1#" on the lock.</p> <p>English Voice: Enter "*39#Admin Password#2#" on the lock.</p> <p><b>Note: When no administrator is added, the administrator password is replaced with 123456.</b></p>
Aging test	<p>When the administrator is not added, enter 35896# to start the motor aging test, and enter 35896# again or power on again to exit the motor aging test.</p>
Lock sound	<p>You can turn off the lock sound in the App. When the lock sound is turned off, when you touch the button, the screen will flash to remind the user that the button is pressed.</p>

## 5. Supporting apps

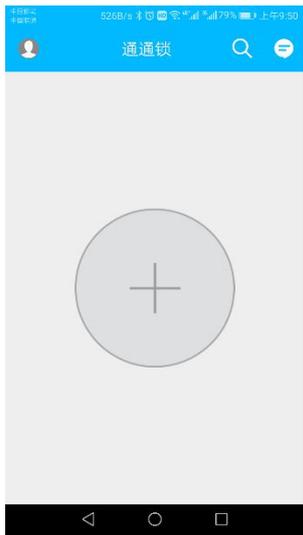
We provide "TTLock", "Good Housekeeper" and other apps to manage the door lock, support Chinese, English, Spanish, French, German, Italian, Russian, Portuguese, Dutch, Polish, Slovak, Serbian, Vietnamese, Malay, Japanese, Korean, Bulgarian, Hebrew, Czech, Swedish, Arabic, Czech and other languages. Cloud servers are deployed on Alibaba Cloud and Amazon Cloud. App can be downloaded through AppStore or "App Treasure", or it can be downloaded by scanning QR code.

### 5.1 TTLock

a) Download the QR code



b) Interface



## 5.2 TTRenting

a) Download the QR code



b) App interface



## 5.3 hotel.sciener.com

