

Introduction of E-1507 Series Electronic Lock



- **Diversified access ways, Authority management, and Record query.**
- **Driving by electric motor, More safe, stabilization and reliance**
- **Easy to use, install and maintain.**



Overview

The E-1507 series intelligent lock is suitable for data center, which can solve the problem of authority management and data asset security.

In addition, the intelligent lock can be controlled remotely and the temperature and humidity of cabinet can be remotely collected.

The access ways can be obtained through mechanical key, password, card, fingerprint, Bluetooth, remote management platform and mobile APP.

It can be used on a stand-alone basis, independently on a network, or connected to a carrier's network.

Features

1. Cabinet intelligent locks can implement functions such as diversified access ways, user authority management, query of lock operation records, and intelligent management of lock tasks.

2. Adopt modular design, no special control unit and readers, integrated with password button, card readers, Bluetooth communication modules, fingerprint identification modules, RS485 communication modules

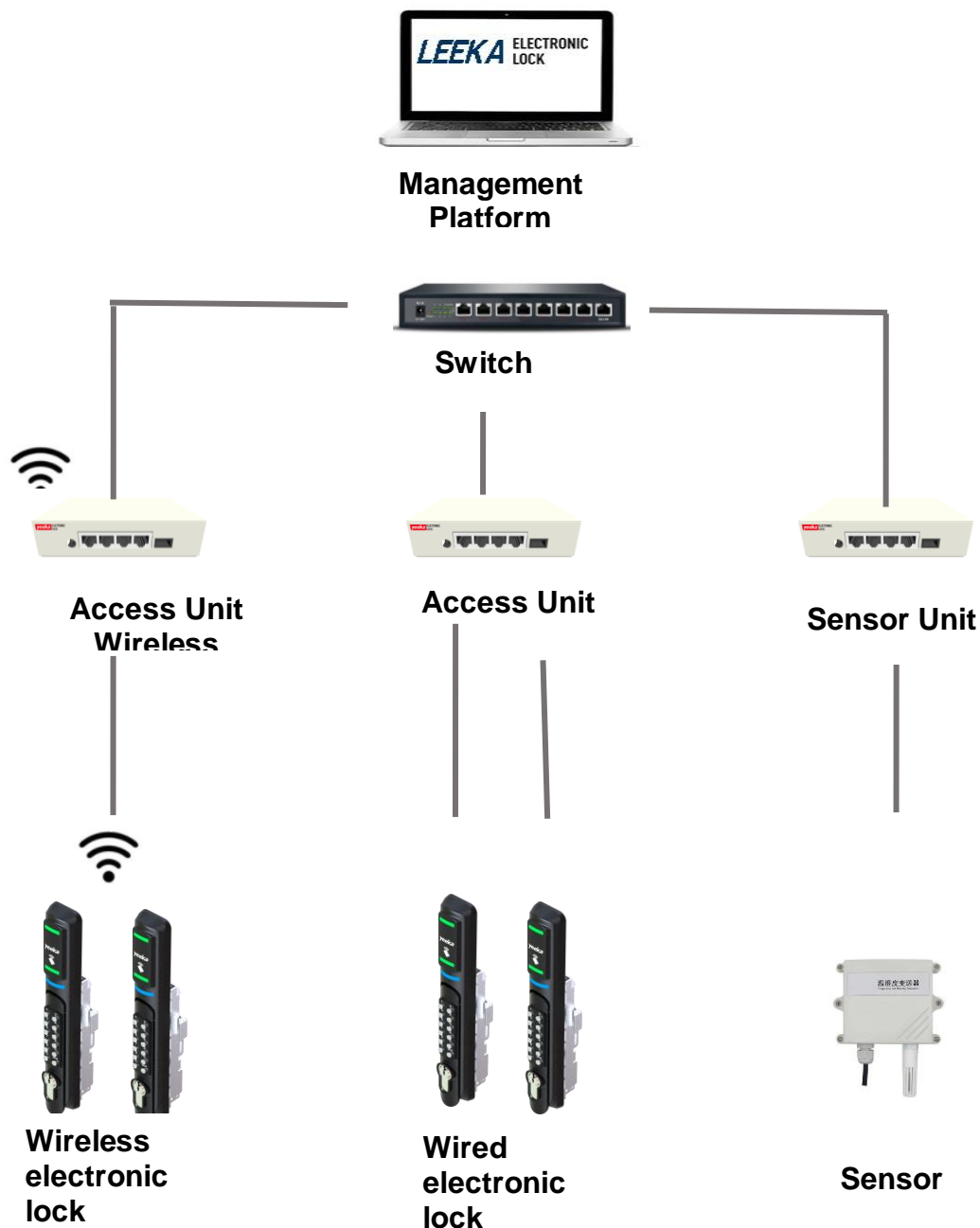
3. Driven by high reliability motor and adopted high stability hardware design to guarantee the stability and reliability of the product

4. High versatility of the cabinet. The lock is suitable for APC, Emerson, Vertiv, Eaton, Toten, Panduit, CPI and etc.

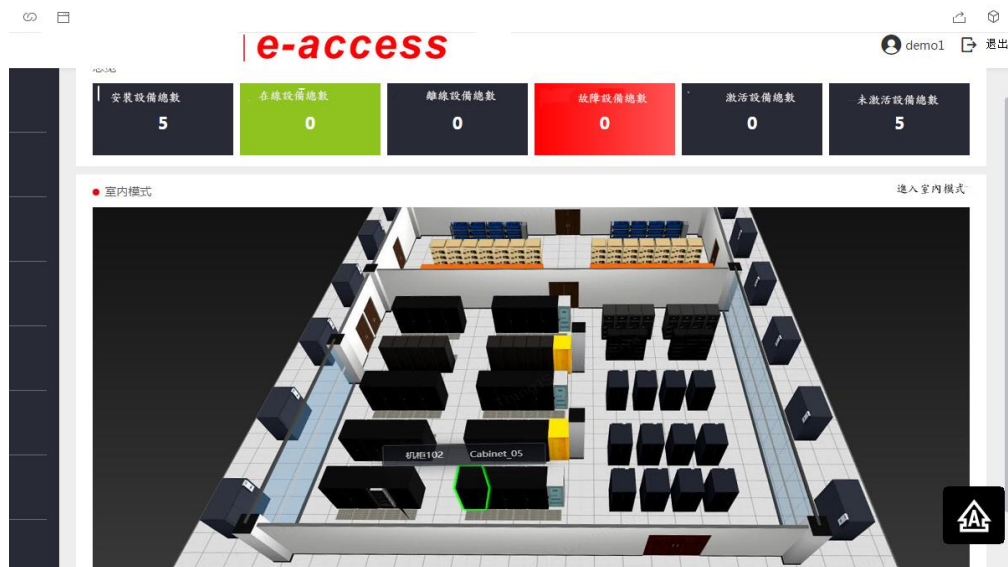
5. The electronic lock can connect various intelligent PDU or control unit for remote

1 . General product information

1.1 System Architecture



1.2 Management Platform



Features

Monitor Center

- Equipment Information overview
- Display lock status by color change
- Real-time alarm alerts
- Powerful search query function to get rapid positioning of the lock

Equipment management

- Set the lock area
- Manage lock and control unit

User Management

- User authority management
- User department management

Task Management

- Task dispatching

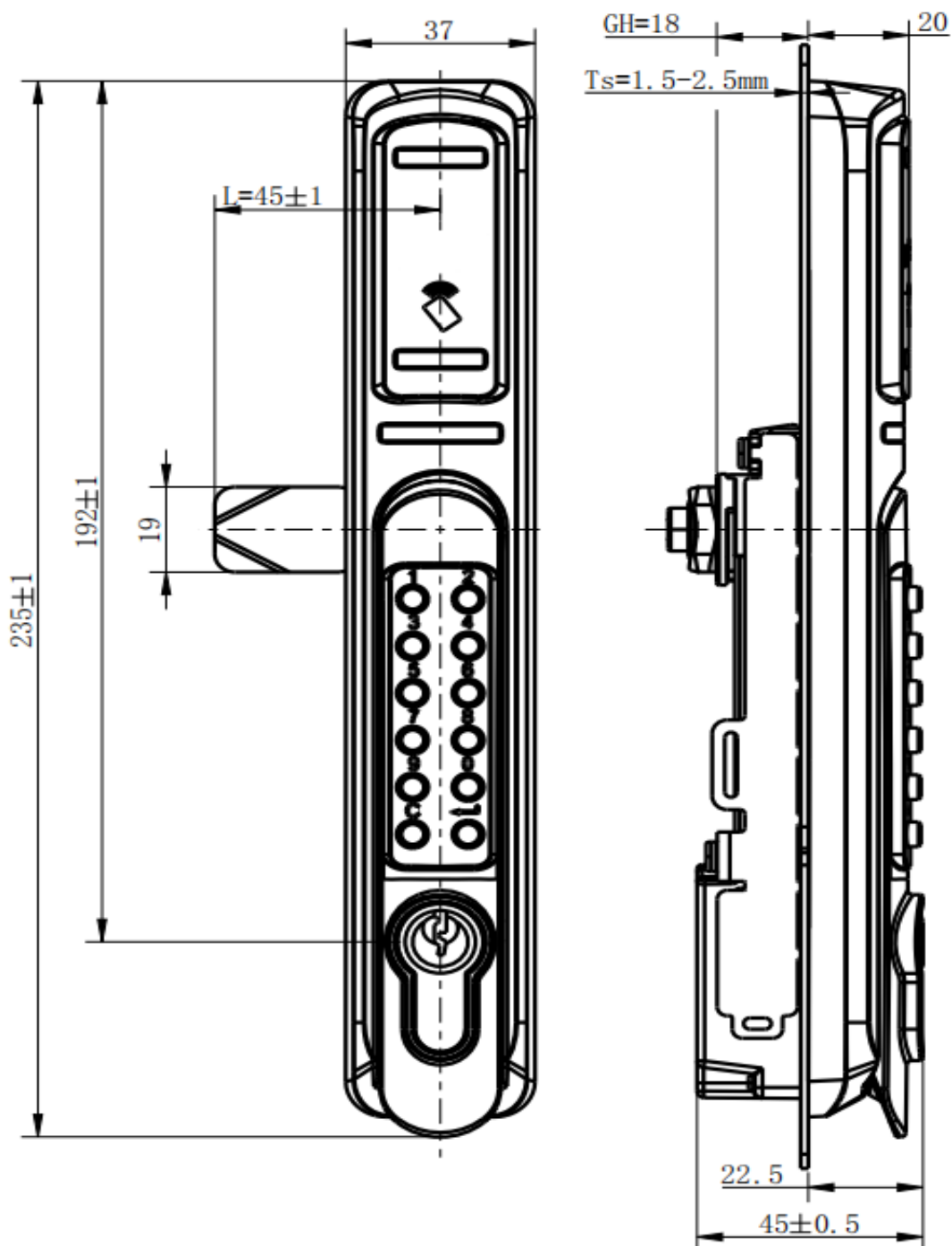
Records query

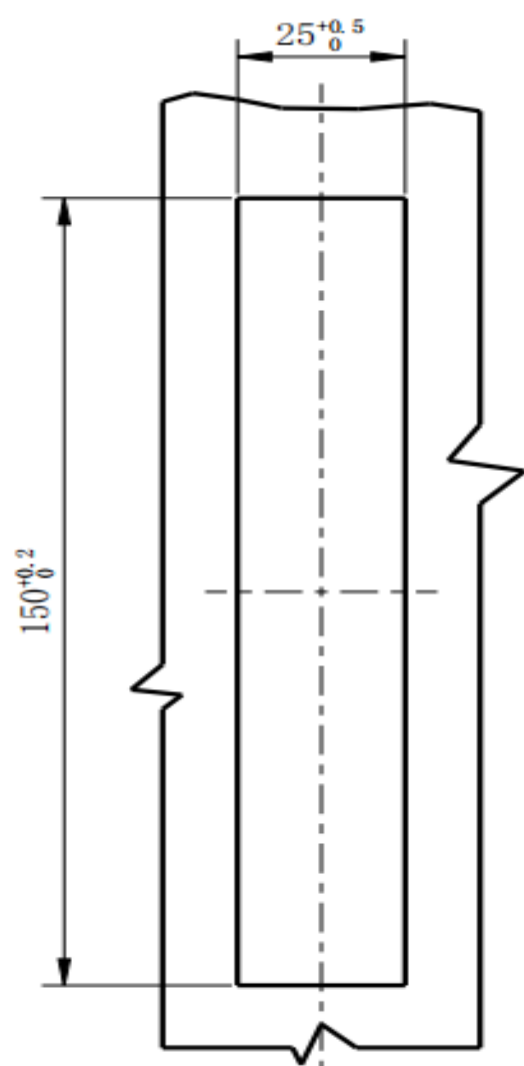
- Operation record query
- Alarm record query

Data Analysis

- Data analysis of unlocking
- Data analysis of temperature and humidity
- Data analysis of other sensors

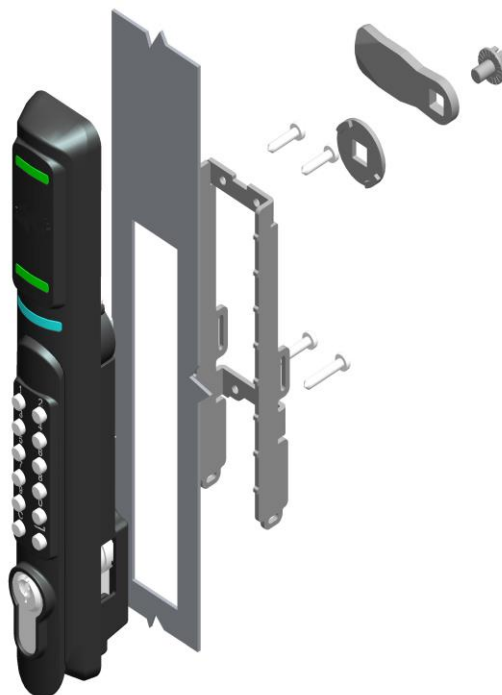
1.3 Dimension& Panel Cutout





Panel cutout

1.4 Installation Diagram



1.5 Physical opening operation

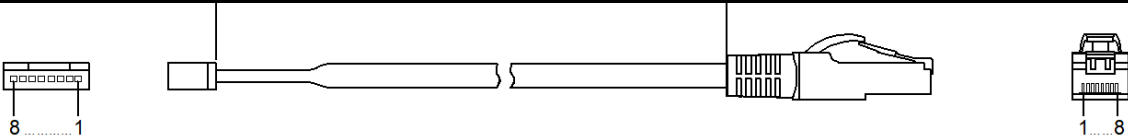








1、Unlocking operation: When the lock opens successful, the buzzer sounds and the indicator light turns green. Then lift the handle and turn it, the locking mechanism like cam and rod can be driven and complete the opening action.

2、Locking operation: Press the handle back to the base.




1.6 Technical Parameter

No.	Items	Specification
1.6.1	Material	Housing PA66、 Zinc die handle
1.6.2	Color	Black
1.6.3	Rated voltage	DC 12V 或 5V (Can be Customized)
1.6.4	Operating voltage	DC 12V \pm 20% (Can be Customized)
1.6.5	Power	5W
1.6.6	Rated current	\leq 400MA
1.6.7	IP Rate	IP54
1.6.8	Working Environment	Temperature : -40 ~+65℃ Humidity : 5 ~ 90%
1.6.9	Storage Environment	Temperature : -40 ~+80℃ Humidity : 0 ~ 90%
1.6.1 0	Card Read Signal Distance	0-15mm
1.6.1 1	Communication Interface	RS485/DO
1.6.1 2	Critical Frequency	13.56Mhz
1.6.1 3	Warranty	2 years





1.7 Wiring diagram

Pin Number	Color	Signal Definition	Wire Gauge
			
1	Red 	12V +	UL2464/26AWG
2	Black 	GND	
3	Yellow 	485+	
4	Green 	485-	
5	White 	DO+	
6	Blue 	DO-	
7	Purple 	Door Sensor	
8	Pink 	Door Sensor	









1.8 LED Indicator status description







Temperature indicator		
Color	Status	Implication
	Hold	Normal
	Hold	Warning
	Blink	Alarm



Lock indicator		
Color	Status	Implication
	Hold	Open prompt
	Hold	Forgotten Locked
		
	Hold	Illegal open
	Blink	Normal operation

1.9 Electronic Lock Model Selection Description

No.	Part number	Image	Access ways
1. 9. 1	E-1507-126-20		Mechanical key+Remote Control
1. 9. 2	E-1507-126-20. TH		Mechanical key+Remote Control including Temperature and humidity sensor
1. 9. 3	E-1507-1216-20		Mechanical key+Remote Control+Keypad Password
1. 9. 4	E-1507-1216-20. TH		Mechanical key+Remote Control+Keypad Password including Temperature and humidity sensor
1. 9. 5	E-1507-1226-20		Mechanical key+Remote Control+IC card
1. 9. 6	E-1507-1226-20. TH		Mechanical key+Remote Control+IC card Including Temperature and humidity sensor
1. 9. 7	E-1507-1236-20		Mechanical key+Remote Control+Bluetooth(QR code scan)
1. 9. 8	E-1507-1236-20. TH		Mechanical key+Remote Control+Bluetooth(QR code scan) Including Temperature and humidity sensor

1. 9. 9	E-1507-1246-20		Mechanical key+Remote Control+Finger Print
1. 9. 10	E-1507-1246-20. T H		Mechanical key+Remote Control+Finger Print Including Temperature and humidity sensor
1. 9. 11	E-1507-12126-20		Mechanical key+Remote Control+Keypad password+IC card
1. 9. 12	E-1507-12126-20. TH		Mechanical key+Remote Control+Keypad password+IC card including Temperature and humidity sensor
1. 9. 13	E-1507-13346-20		Mechanical key+Remote Control+Finger Print+Bluetooth(QR code scan)
1. 9. 14	E-1507-13346-20. TH		Mechanical key+Remote Control+Finger Print+Bluetooth(QR code scan) including Temperature and humidity sensor

Note: Please refer to separate operation instructions of each model.

2.Accessories

2.1 Access Unit



Part number	1580-1485
Power	DC 12V , 2A
Port	RJ45
Electronic lock output quantity	485 Signal
Sensor input quantity	485 Signal
Temperature range	+5~+45℃
Dimensions(L X B X H)	235 X 135 X 40

2.2 Access Unit Wireless



Part number	1581-1485
Power	DC 12V , 2A
Port	RJ45
Electronic lock output quantity	485 Signal
Sensor input quantity	485 Signal
Temperature Range	+5~+45℃
Dimensions (L X B X H)	235 X 135 X 40

2.3 Plastic Magnetic Door Sensor



Part Number	1586-1010
Material	ABS White
Input quantity	Switch value

2.4 Metal Magnetic Door Sensor



Part Number	1586-2010
Material	Zinc die cast , Silver gray
Input quantity	Switch value

2.5 Power adapter



Parameter :

DC connector 2.1mm

Output quantity: DC 12V , 2A

Category	Part number
Chinese standard	1585-1220-CN
European standard	1585-1220-EU
American standard	1585-1220-US
Australian standard	1585-1220-AU
British standard	1585-1220-UK

2.6 Access IC card



Part number	E-T-ICK1507-02
Frequency	13.56Mhz

3.Security specifications

Security Specifications	GB 21556-2008
Fireproof rating	UL94-V0
IP Rate	IP54
Security Specifications	UL
Environmental Protection	ROHS

4.Notes

4.1 Don't exceed the specified limits in this specification during use

4.2 Please put forward the request in advance if you want to change any specifications of this document.

4.3 Please don't twist the power line around the lock or pull the power line forcibly, in that condition the power line will be damaged and cause function failure.

4.4 If there is any data or related documentation different from this data sheet, this data is the principle reference.

4.5 Please don't use in flammable gas and any detrimental environment.

4.6 If the electronic lock is dropped on the ground during carry or installation, the lock will be damaged.

4.7 The torque of the screw of the lock housing shall not exceed 3N.m.

4.8 During the installation of the lock, don't knock on the lock to avoid lock from damaging. The installer must wear gloves.

4.9 The panel must be kept horizontal during installation, and the fixing holes of the cabinet door must be opposite to the shape of the lock.

4.10 Don't strike the lock body forcibly and don't wipe the lock's surface with chemicals to prevent the plating layer from corrosion.

4.11 After installation, the lock body maintains flatness and perpendicularity, and the installation interface of lock and panel can reach the waterproof level of IP54 without coating the waterproof glue.

5. Friendly reminder

5.1 More information, please visit the official website: www.leeka.com.tw .

5.2 Leeka reserves the right to change product specifications or other product information without notice. (Including but not limited to product weight, appearance, size or other physical factors)

5.3 The information mentioned in this article is subject to norm that change without notice due to product upgrades or other reasons. The product pictures involved in this article for reference only, subject to our available products.