FEOCEY

whatsapp

alibaba.com

feocey.com

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Product Manual

Continuous innovation, setting you apart,
indescribably marvelous

Metro partner

It has entered the subway traffic field in 25 cities and accounted for more than 65% of the domestic market

北京地铁 BEIJING SUBWAY
上海地铁 Shanghai Metro
洛阳地铁 LUOYANG METRO
成都地铁 CHENGDU METRO
深圳地铁 SHENZHEN METRO
天津地铁 Tianjin Metro
广州地铁 Guangzhou Metro
西安地铁 XI'AN METRO
温州轨道 WENZHOU RAIL TRANSIT
武汉地铁 WUHAN METRO

Smart Buildings and Partners

More than a thousand partners, tens of thousands of customers use our products

ByteDance 字节跳动
Tencent 腾讯
Alibaba Group 阿里巴巴集团
拼多多
vanke 万科
华润
HIKVISION 海康威视
alhua TECHNOLOGY
uniview 宇视科技
上海证券交易所 SHANGHAI STOCK EXCHANGE

Honor

National high-tech enterprises

Canada ISED certification: 2
US FCC certification: 21
ROHS: 16
Egypt related certification: 7
CE certification: 27
Bluetooth BQB certification



Company Introduction

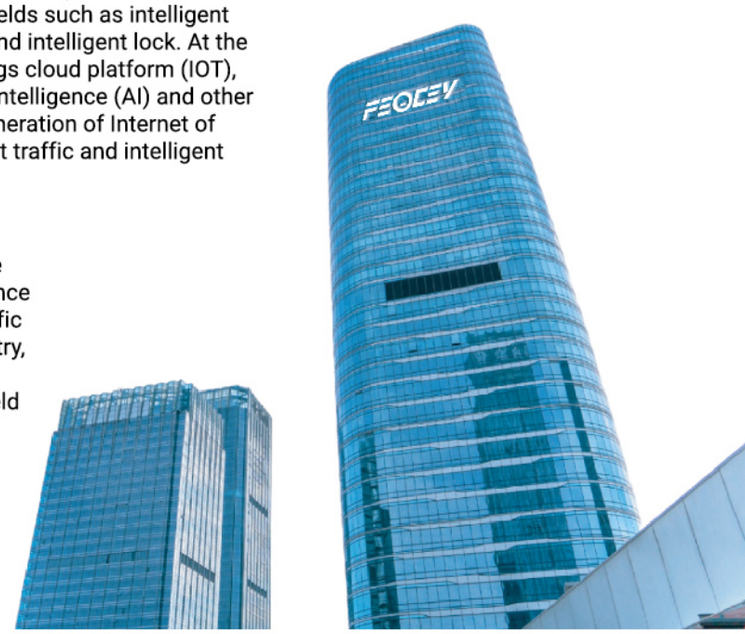
Feocey iot is the leading AIoT intelligent iot enterprise in China. National high-tech enterprise, Suzhou City above the scale of emerging industry enterprises, Suzhou City gazelle cultivation enterprise. The company has 5,000 square meters of office space, more than 200 employees, more than 60% of R&D personnel, and 55 patents and 38 software Copyrights.

Combination of hardware and software

With a new generation of integrated identity authentication technology as the core, the company has successively developed and launched innovative iot hardware products in many fields such as intelligent access control, intelligent access control, and intelligent lock. At the same time, it combines the Internet of Things cloud platform (IOT), EDGE computing devices (EDGE), artificial intelligence (AI) and other innovative foundations to provide a new generation of Internet of Things products and solutions for intelligent traffic and intelligent buildings.

Global market

In the smart subway industry, which has the highest requirements for product performance and reliability, the company's intelligent traffic products have entered 25 cities in the country, ranking first in the industry. It is in a leading position in the innovation scenario in the field of smart buildings, with Tencent, Alibaba, ByteDance, Vanke, First Pacific Davis and other scenarios all applying the company's leading IOT products.



Application layer

Services: intelligent parks, intelligent buildings, intelligent communities, intelligent hospitals, intelligent prisons, intelligent visitors, intelligent campuses, intelligent parking, and intelligent apartments.

Smart door lock APP
Smart lock application services
【Cross Border】

DX office mini program
DX office (Security access control application service)
【To B】

Passpro mini program
(End application service)
【To c】

My door key APP
(Noninductive traffic service)
【Key group】

Customer-specific application services (Customized requirements)

HTTP

Three-party system docking

Platform layer

Gateway Platform
Multi-device sdk
Access Control Equipment sdk Management service
Equipment monitoring

Equipment operation platform
Devices management
Situation analysis
Command control
Data statistics

Equipment safety management
Equipment certification
Transmission encryption
Authority management
Log recording

IOC platform
Digital twin
3D visualization
AI multidimensional analysis
Alarm reminder

Open API
Ecological access
Application enabling
self-publishing
Free deployment

HTTP

Government affairs system

Public security system

OA system
IBMS system
...

Web layer

Network protocols: Matter, NB-IOT, LoRa, BLE, WIFI, Ethernet.

Communication protocol: MQTT, TCP, HTTP, COAP.

Device open application layer IDE, component store, JavaScript engine, UI engine

External OEM Custom equipment

Equip-ment layer

Self-developed devices

Smart lock
Overseas lock
Apartment lock

Access control
Face machine, scan code, swipe card, fingerprint, Bluetooth (Multi-modal Identification Credential Fusion)

Control panel
One way controller
Four-way controller

Sensor
Scanning code reading head, scanning code gun
Door magnetic, temperature measurement, alarm

System Interoperability Test
Camera, printer, Ladder control, audio, Passenger plane, water and electricity meter, Gas detection sensor

DejaOS is a virtual machine that can enable smart device programmability.

JS application
(Barcode Scaner、Access Control、Gate Machine ...)

JS extension library
(HTTP、MQTT、OSDP、uiView、uiButton、uiCheckBox ...)

JS api from C/C++ lib
(GPIO、Camera、NFC、BLE、OTA、UI ...)

Javascript codes

Javascript engine
(QuickJs)

Gul engine
(LVGL)

Hardware drivers
(GPIO、Camera、NFC、BLE、OTA ...)

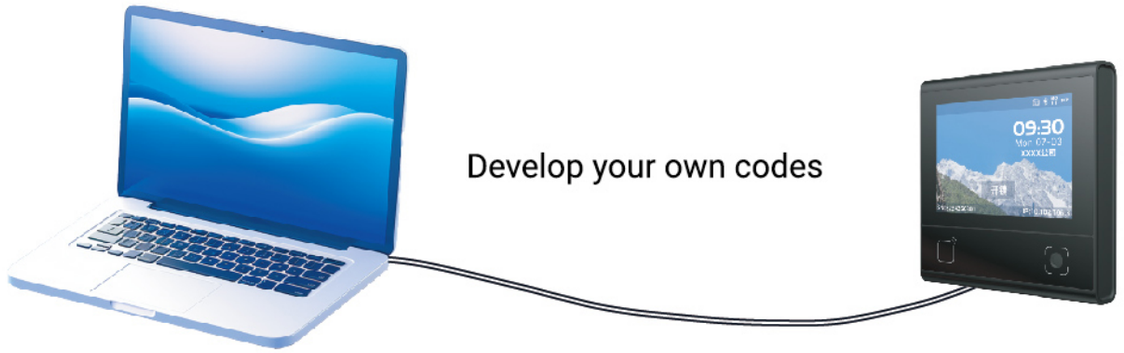
Linux kernal
(Based on Ingenic chip、Eeasytech chip ..)

C/C++ codes

DejaOS inside



https://github.com/duoxianwulian/DejaOS



Publish



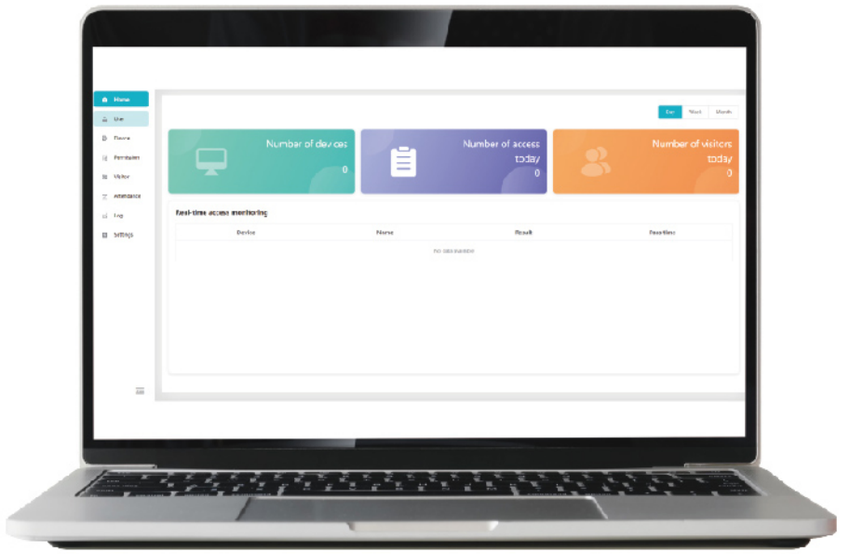






You can write javascript codes for the given scenario and publish these codes into each device with DejaOS inside.

DXIOT OFFICE PLATFORM



Product Function

Provide full-scenario, modularized solution combination from device to platform, to create a full-stack integrated service of cloud, edge and end for customers, with convenient access and intelligent control.

All functions can be controlled from anywhere via the Web without the need to maintain a local server. It supports multi-organization switching, credential management, visitor management, device and permission management, etc., and drives enterprise security decisions through logging.

Product Feature

Comprehensive Smart IoT Solutions

FEOCEY DXIot Office Platform provides comprehensive smart IoT solutions covering a wide range of fields such as smart access control, security monitoring, environment monitoring, etc. to meet the needs of different customers.

Leading technological innovations

The platform has self-developed leading technologies, such as multi-factor authentication, remote access, and automatic locking and unlocking, to ensure the security and convenience of the product.

Easy to deploy and manage

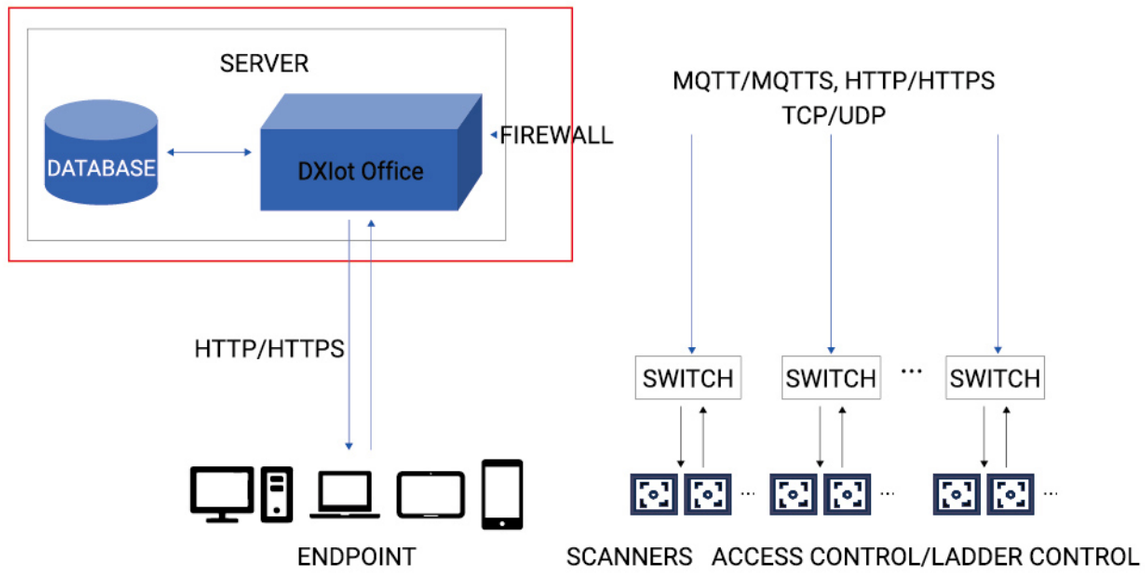
FEOCEY DXIot Office Platform provides easy-to-use deployment and management tools, so customers can easily complete the deployment and management of the system, saving time and cost.

The platform is equipped with efficient data processing and analysis capabilities, which can monitor the status of the equipment in real time, collect data, and conduct intelligent analysis to provide customers with more accurate decision-making support.

Flexible and customized services

DXIot Office Platform provides flexible customization services, customizing solutions to meet the needs of different industries and scenarios according to customer requirements.

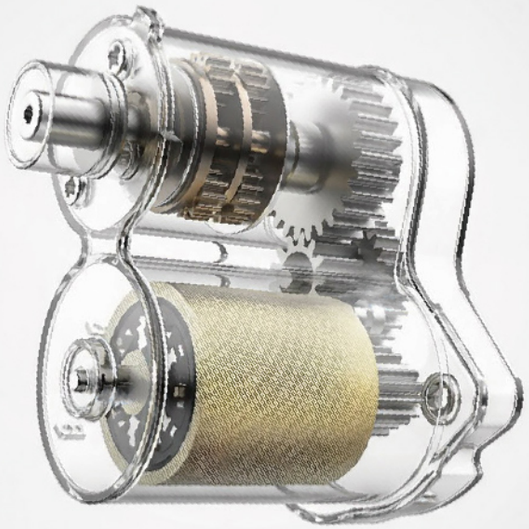
System Architecture Diagram





Innovative Coreless Motor:

Power consumption is reduced by 60%
Battery life is increased by 80%

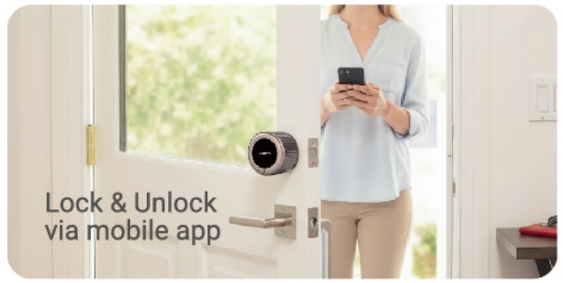




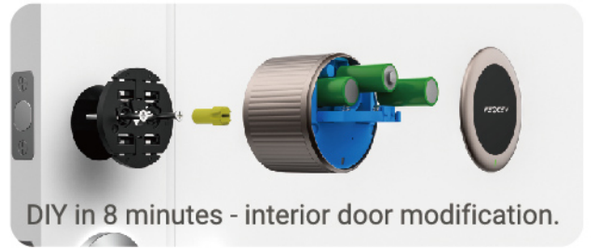
Maximum battery life 10 months

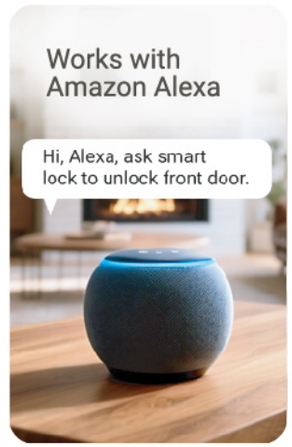
X WI-FI Smart Lock

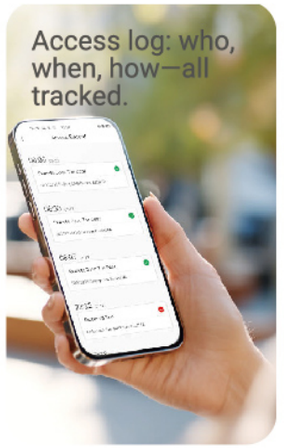
Other Smart Lock with Built-in Wi-Fi





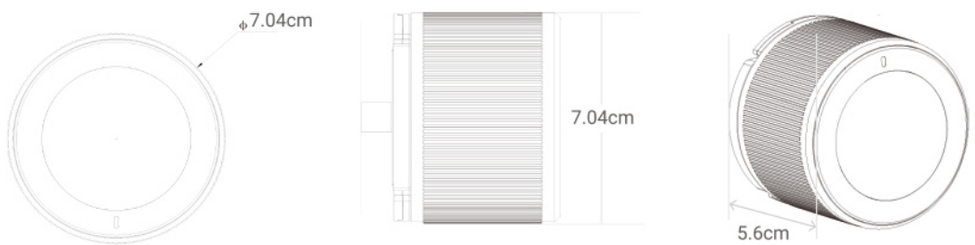






FEOCEY X wifi & bluetooth smart door lock

Specifications



Dimensions

2.8 x 2 inches Measurements in cm

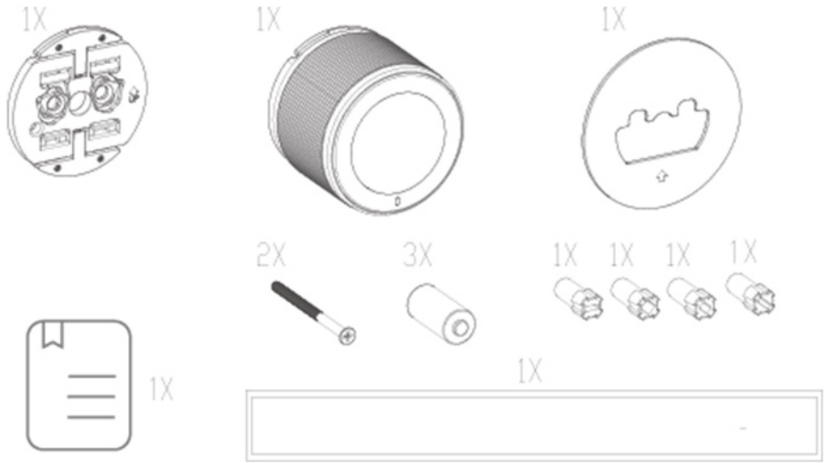
Item Weight	Finish Type	Material
0.5 pounds	Anodic oxidation	Aluminum alloy + engineering plastics
Lock Type	**Controller Type**	**Control Method**
Deadbolt	Amazon Alexa	Feocey APP

Colors



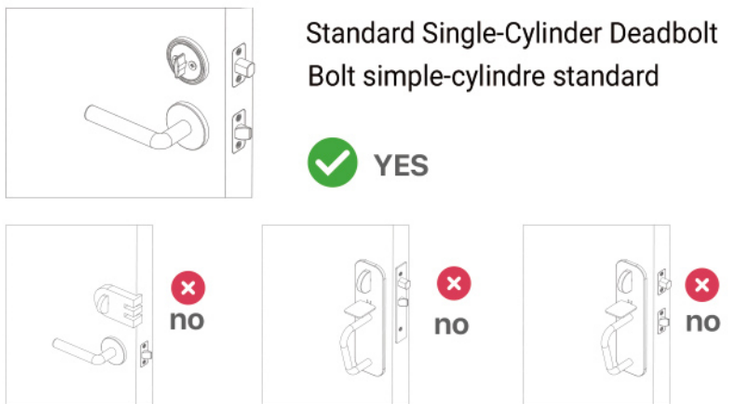
Features Provide SDK & API

Included Components



1.Main lock body x1
2.Shim×1
3. CR123A batteries x 3
4.User manualx1
5. Adapters x4
6. Long screw x2
7. Fixing sticker x1

Compatibility

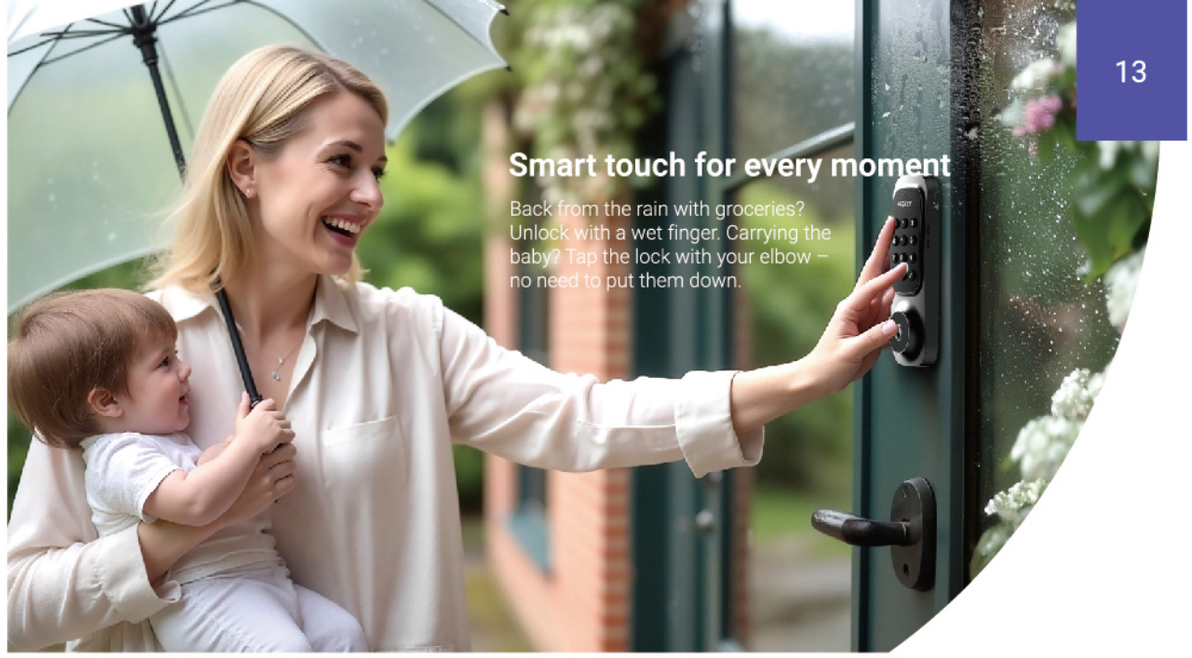


CP65 WARNING : Reproductive Harm – www.P65Warnings.ca.gov
Privacy & Terms: www.feocey.com.

R WI-FI SMART LOCK



FEQCEY



Smart lock

New ways to unlock



Touch to unlock the door



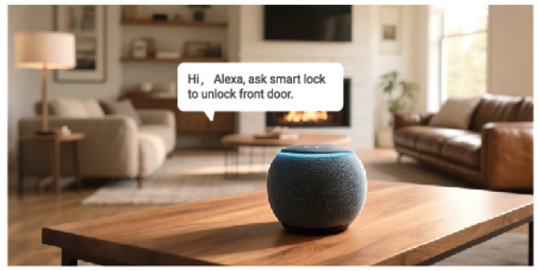
One Time Password



Unlock the door with PIN code



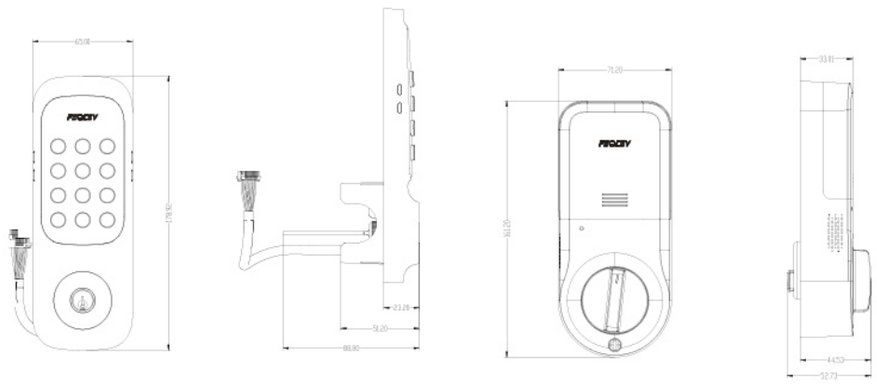
Access log: who, when, how—all tracked.



Works with Amazon Alexa

FEOCEY R wifi & bluetooth smart door lock

Specifications



Dimensions

4.88 × 2.52 × 0.87 inches Measurements in cm

Item Weight	Finish Type	Material
1.54 pounds	Anodic oxidation	Zinc alloy + engineering plastics
Lock Type	**Controller Type**	**Control Method**
Deadbolt	Amazon Alexa	Feocey APP

Colors



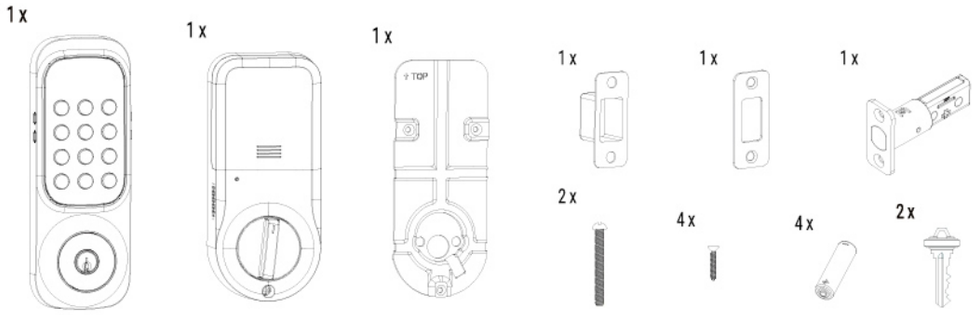
Grey



rose gold

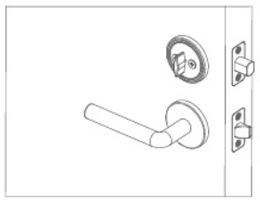
Features Provide SDK & API

Included Components



1. Front and rear lock bodies x 1
2. Backplate x 1
3. Cylinder assembly x1
4. User manualx1
5. AA batteries x4
6. Key x2
7. Long screw x 2
8. Short screw x4

Compatibility



Standard Single-Cylinder Deadbolt

Bolt simple-cylindre standard

YES

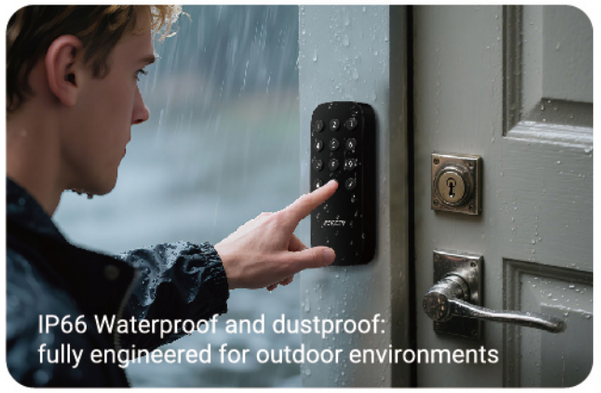


CP65 WARNING : Reproductive Harm – www.P65Warnings.ca.gov
Privacy & Terms: www.feocey.com.



Magic keypad

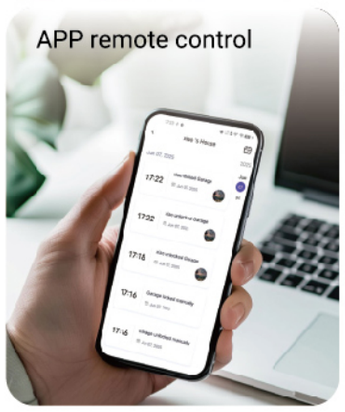


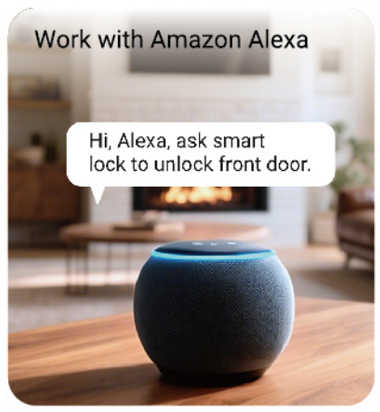


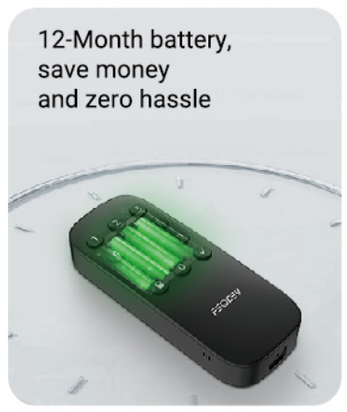






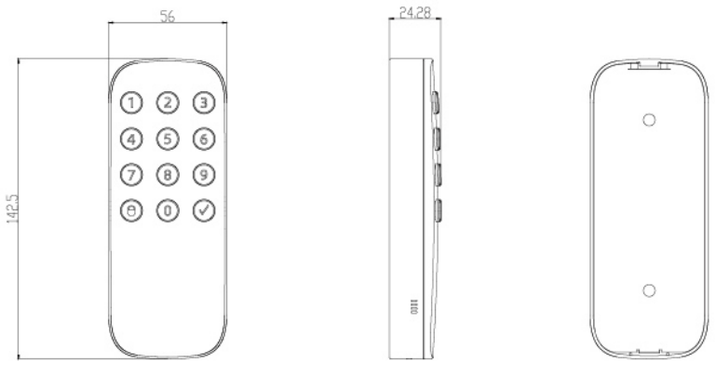






FEOCEY Magic keypad

Specifications



Dimensions

2.2 × 5.6 × 0.9 inches

Measurements in cm

Item Weight	Finish Type	Material
0.29 pounds	Anodic oxidation	Flame-Retardant PC+ABS
Protection Level	**Controller Type**	**Control Method**
IP66 waterproof and dustproof	Amazon Alexa	Feocey APP

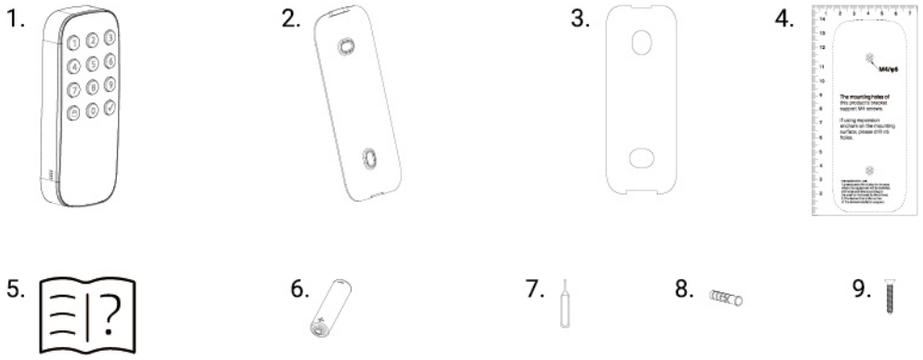
Colors



Black

Features Provide SDK & API

Included Components



1. Keypad body ×1
2. Bracket ×1
3. Adhesive backing ×1
4. Drilling sticker ×1
5. User manual ×1
6. AAA batteries ×4
7. Eject pin ×1
8. Expansion tube ×2
9. M4 Screw ×2



APPLICATION PROGRAM

Oversea smart door lock APP

Support user registration, login management, family maintenance member and member group maintenance, device management and device functions.



Comprehensive smart home solutions

FEOCEY intelligent platform provides a comprehensive smart home solution, covering intelligent access control, security monitoring, environmental control and other fields, to meet the intelligent needs of users intelligent furniture.

Intelligent access control function

The platform has advanced intelligent access control functions, supporting remote control, real-time monitoring, intelligent unlocking and other functions, providing users with a more convenient and safer access control management experience.

Easy to deploy and manage

The platform provides easy to use deployment and management tools, users can easily complete the deployment and management of the system without professional technical personnel.

Safe and reliable

FEOCEY platform adopts advanced encryption algorithm and multi-factor authentication technology to ensure user data and family security, so that users can use with confidence.

Intelligent interconnection

The FEOCEY platform can be seamlessly connected with other smart home devices to realize the interconnection between smart home devices and create an intelligent and comfortable home living environment for users.

Personalized customized service

The platform provides personalized customization services, customized smart home solutions according to the needs of users, to meet the personalized needs of different users.



Scanning Code & Card





FC6820

- 3.3inch IPS HD capacitive touch screen supports custom UI andmessage push.
- Supports local storage, up to 50,000 users, 50,000 passwords.
- 100,000 cards and 200,000 access records.
- Communicationinterface:Ethernet\RS485\WIFI

Operatingsystem	Screen size	Bluetooth
Linux	3.33 inch	BLE 5.1

Operating voltage	Access control interface	Overall dimension
DC 9-15V	Exit switch, relay	90.27*90*27.4mm

Our advantage

Compatible with dejaOS, supporting free component-based development to DIY your own applications.



Face recognition



FCV4906

- Android 11 Operating system
- 8-inch IPS high-definition screen
- 2G/4GRAM+32GROM
- 100000 face library, 20000 qr code libaray, 100000 card libaray
- IP66 waterproof rate

Computing power

Equipped with 1TOPS neural processing unit

Chip

Quad-core 64-bit Cortex-A55

Communication methods

Wired: 110/100Mb network port; Wireless: 2.4G Wi-Fi, Bluetooth 4.2; 1 RS482/232, 1 TYPE-C

Electrical interfaces

Relay: 30V 1A; 2 alarm signal input interfaces

Recognition rate

99%

Our advantage

Uses Baidu's facial recognition algorithm, and can also be adapted to any third-party facial recognition algorithm.

Fingerprint & Face recognition



FCV4907

- Linux Operating system
- 8-inch IPS high-definition screen
- Storage capacity: 8GB (16G & 32G expandable)
- 100000 face library，5000fingerprint library，100000 card libaray
- IP65 waterproof rate

Computing power

Equipped with 1TOPS neural processing unit

Communication methods

Wired: 110/100Mb network port;
Wireless: 2.4G Wi-Fi, Bluetooth 4.2; 1 RS482/232, 1 TYPE-C

Computing power

99%

Electrical interfaces

Relay: 30V 1A; 2 alarm signal input interfaces

Our advantage

Compatible with dejaOS, supporting free component-based development to DIY your own applications.

Face recognition



FCV4905

- Linux Operating system
- 8-inch IPS high-definition screen
- Storage capacity: 8GB (16G & 32G expandable)
- 100000 face library, 200000 qr code library, 100000 card libaray
- IP65 waterproof rate

Communication methods

Wired: 110/100Mb network port;
Wireless: 2.4G Wi-Fi, Bluetooth 4.2; 1 RS482/232, 1 TYPE-C

Recognition rate

99%

Electrical interfaces

Relay: 30V 1A; 2 alarm signal input interfacest

Computing power

Equipped with 1TOPS neural processing unit

Our advantage

Compatible with dejaOS, supporting free component-based development to DIY your own applications.



Face recognition



FCV5006

- Android 11 Operating system
- 8-inch IPS high-definition screen
- 2G/4GRAM+32GROM
- 100000 face library, 100000 card libaray(Under-screen card swiping)
- IP66 waterproof rate

Computing power

Equipped with 1TOPS neural processing unit

Chip

Quad-core 64-bit Cortex-A55

Recognition rate

99%

Communication methods

Wired: 110/100Mb network port;
Wireless: 2.4G Wi-Fi, Bluetooth 4.2;
1 RS482/232, 1 TYPE-C

Electrical interfaces

Relay: 30V 1A; 2 alarm signal input interfaces

Our advantage

Uses Baidu's facial recognition algorithm, and can also be adapted to any third-party facial recognition algorithm.



Swipe card password

FCS525



- IC/ID card swiping, Bluetooth door opening, password door opening.
- 5000 card/password capacity.
- Ultra-thin 6.8mm design with a tactile genuine leather panel.
- Optional IP55/IP65 waterproof rating.

Output methods

Wiegand 26/34, Bluetooth, Ethernet, WiFi

Electrical interfaces

Relay: 30V 1A; 2 alarm signal input interfaces

Doorbell function

Supported

Prompt

Acoustic and optical dual prompts

Our advantage

Adapt to our self-developed access control management system and APP, which can be quickly deployed and is easy to operate.

Swipe card password



FC8134

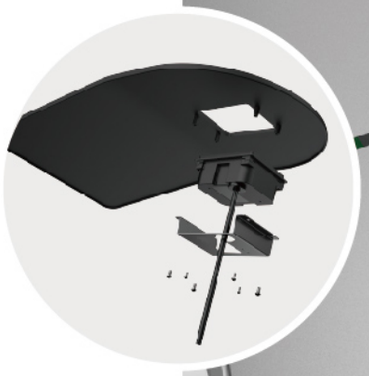
- Scan code and swipe card
- Front bezel-less flat tempered glass panel
- Seamless splicing
- IP68 anti-soaking and dustproof
- Not afraid of direct sunlight

Product size

75*65*35.1 mm

Communication interface

USB
RS485
Weigand
RS232
TTL







Swipe card password



FC7735

- 20,000 QR codes, 100,000 card capacity
- IP66 waterproof rating
- Supports POE power supply

Output methods	certification
Ethernet, Ethernet+wiegand	CE\FCC
Electrical interfaces	**Product Dimensions**
Relay: 30V 1A; 2 alarm signal input interfaces	88.38mm*88.38mm*35.10mm

Our advantage

Compatible with dejaOS, supporting free component-based development to DIY your own applications.

Face recognition



FCV5002

- 5 inch IPS touch screen
- Support binocular living face recognition
- Credit card support (below screen)
- Supports Bluetooth door opening and configuration



FCV5005

- 8 inch IPS bright LCD touch display, 50,000 face library, full library more than 97% recognition accuracy.
- IP66 rated dustproof and waterproof, available for outdoor environments.
- Linux system, more stable and reliable, more cost-effective.
- Supports TCP/IP, MOTT, and HTTP protocols, and supports secondary development.
- Compatible with dejaOS, allowing you to DIY your own applications.



FCV5003

- Can expand the swipe card
- 7 inch touch screen.
- Wide dynamic double shot.
- Supports Bluetooth door opening function.
- Extensive electrical interfaces.
- Compatible with dejaOS, allowing you to DIY your own applications.

Code&card access



FC7730

- Supports code scanning and card scanning authentication.
- 28.35mm thin, bezel-less design.
- Supports device interconnection and secondary development.



M20/10

- Support key, scan code, swipe card and fingerprint authentication.
- Supports Ethernet and other output modes.
- Built-in relay, supports PSAM card.
- IP54 rated dustproof and waterproof.



FC7735

Ethernet, IP66

- Supports code scanning and card scanning authentication.
- Supports Ethernet and other output modes.
- IP66 dustproof and waterproof
- Built-in relay.
- Supports device interconnection and secondary development.



FC7769/FC7788

- Supports code scanning and card scanning authentication.
- Ethernet output.
- Standard 86-box size, embedded mount.
- Built-in relay, supports device interconnection and secondary development.

Scan code&swipe card reading head products



FC7480

Communication interface:
USB RS232

Embedded outdoor waterproof scanning module.
IP67 rated dustproof and waterproof
With its own outlet, safe and stable.
The locking buckle design is easy to install and disassemble.
Provides a development kit to support secondary development.
Fast reading speed, up to 30ms.



FC7470

Communication interface:
USB RS232

Embedded outdoor waterproof scanning module.
IP67 rated dustproof and waterproof.
With its own outlet, safe and stable
Wide field scan, wider reading range.
Provides a development kit to support secondary development.



FC8135

Ethernet

Support code and card scanning, Ethernet output.
Front bezel-less flat tempered glass panel.
Seamless splicing embedded, IP66 dust and waterproof.



C900

RS232, RS485, Weigand, etc.

Support code scanning and card swiping, IP54 dustproof and waterproof.
Support device docking and secondary development, optional NFC card swiping function.



FC8130

Communication interface:
USB, RS485, Weigand, RS232, TTL
Scanning code and card integration, front without border flat tempered glass panel.
Seamless stitching embedded, black, white and gold color selection.



FC8134

Communication interface:
USB, RS485, Weigand, RS232, TTL
IP68 waterproof
No matter the midday sun, it is still read the code clearly.
Small size, large window.



FC8420

Communication interface:
USB, WIFI, RS232, TTL

Built-in design, sealed surface waterproof



FC8440

Communication interface:
USB, WIFI, RS232, TTL

Small embedded module products



FC8196

- Embedded scanning module.
- Small size, thickness only 23.8mm.
- Fast reading speed, up to 50ms.
- Dual physical interface, support 8Pin and FPC wire.
- Provides a development kit to support secondary development.
- Compact size, convenient configuration, wide operating temperature, super fast reading speed.



FC8198

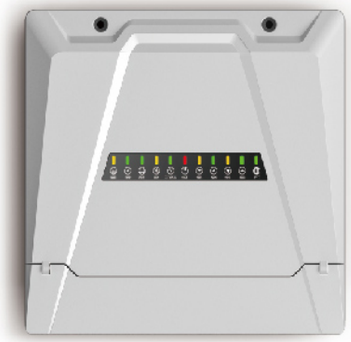
- Embedded scanning module.
- Modular design, compatible with all kinds of automation equipment.
- The reading speed can reach 80ms, and continuous reading is supported.
- The volume is thin, the thickness is about 11.7mm.
- Provides a development kit to support secondary development.



FC8168

- Embedded scanning module.
- Modular design, compatible with all kinds of automation equipment.
- The reading speed can reach 80ms, and continuous reading is supported.
- The volume is thin, the thickness is about 11.7mm.
- Provides a development kit to support secondary development.

CONTROLLER



FCC4901

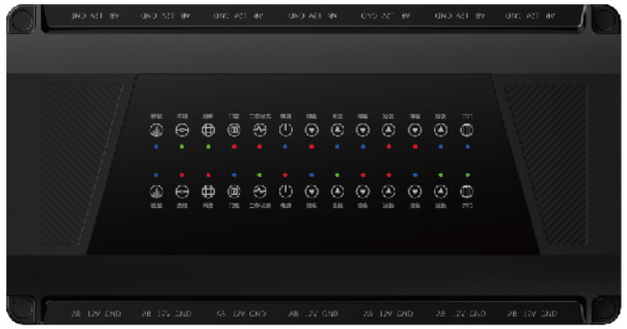
- Adapter power supply, customized POE power supply.
- Support PC and mobile application management platform, 1GHZ high-speed processor, Linux system.
- Open protocol interface to meet more customization requirements.

Communication interface	Power supplyer	Reader input format	Number of card readers
TCP/IP, UDP, MQTT, RS485	DC 15V 5A	RS485 115200 BAUD	1 pieces, can control the gate output: 1 pieces

Number of user registration cards and offline storage	Data power failure protection	Use environment	Matching case size
100,000	High-speed flash memory design, data is never lost	-30℃-70℃	191×191×43 mm

Our advantage

Compact chassis design, wide temperature environment adaptation, large capacity storage. Stable power supply system, various communication methods.



FCC4904

- PC and mobile application management platform, integrated anti-demolition and fire alarm interface
- Open protocol interface to meet more customized needs

Communication interface	Power supplyer	Reader input format	Number of card readers
TCP/IP, UDP, MQTT, RS485	DC 15V 10A	RS485 115200 BAUD	4 pieces, can control the gate output: 4 pieces

Number of user registration cards and offline storage	Data power failure protection	Use environment	Matching case size
100,000	High-speed flash memory design, data is never lost	-20℃-70℃	249×140×37 mm

Our advantage

Comprehensive management platform highly customized, multiple communication methods, powerful hardware support, efficient control, large capacity storage, data security, compact chassis design.

TURNSTILE



- Waterproof housing for outdoor use (weather canopy recommended)
- Servo motor with ootional bottom-mounted infrared sensors for high-security areas
- Ideal for schools, commercial buildings, and venues reguiring stylish access control.

Dimensions	Channel Frame	Channel Width	Infrared Sensors
1400×150×980 mm	Grade 304 Brushed Stainless Steel (1.5mm thick)	600-800mm (optional)	Standard: 2 pairs Optonal: 8 or 12 pairs

Gate Arm Material	Lifespan	Drive Motor	Power Consumption
Acrylic	>20 Million cycles	Servo Motor	<200W/channel

Rated/Max Torque	Input Voltage	Gate Speed	Surge Protection
100Nm/8Nm	220VAC 50V60Hz	User-adjustable (<0.3 seconds)	1500KVA

SELF-SERVICE BOARDING



- DC servo motor ensures smooth and relable operation
- 12-pair infrared anti-tailgating detection (<50mm spacing)
- High-security access control
- Designed for self-service boarding, customs verification, and high-traffic secure checkpoints

Dimensions	Channel Frame	Channel Width	Infrared Sensors
1680×210×1050 mm	Grade 304 Powder-Coated Stainless Steel (1.5mm thick)	600-900mm	12 pairs

Gate Arm Material	Lifespan	Drive Motor	Power Consumption
Acrylic	>20 Million cycles	Servo Motor	<200W/channel

Rated/Max Torque	Input Voltage	Gate Speed	Surge Protection
100Nm/8Nm	220VAC 50V60Hz	User-adjustable (<0.3 seconds)	1500KVA

Access control all-in-one machine

Model	DX- FC7769 	DX- FC7780 
Size	86×86×39mm	88.8×89×42.95mm
Main Chip	1.2G	1.2G
Method	Scan and swipe	Scan and swipe
Image Sensor	640×480, 30W CMOS	640×480, 30W CMOS
Frame Rate	60 frames	60 frames
Code System	QR code: QR Code, PDF417, etc. One-dimensional code: CODE128, EAN13, EAN8, CODE39, CODE93, ISBN10, ISBN13, ITF, UPCA, UPCE, AZTEC, etc.	
Media	Screen code and paper code	Screen code and paper code
Reading distance	0-100mm (15mil)	5-55mm (15mil)
Read Support	IS0 14443A protocol card, IS014443B protocol card	
Operation card mode	Physical UID, M1 card sector read/write	Physical UID, M1 card sector read/write
Swipe distance	＜5cm	＜5cm
Indication method	Buzzers, Indicator light	Buzzers, Indicator light
Relay	Yes	Yes
Screen	No	No
Networking	Ethernet	Ethernet
Protocol	MQTT	MQTT
Cloud Access Platform	Yes	Yes

Access control all-in-one machine

DX- FC7785 	DX- FC7735 	DX- FC6820 
132×88×21mm	88.38×88.38×35.1mm	90.27×90×27.4mm
1.2G	1.2G	1.2G
Scan and swipe	Scan and swipe	Scan, swipe, password
640×480, 30W CMOS	640×480, 30W CMOS	800×600, 48W CMOS
60 frames	60 frames	60 frames
QR code: QR Code, PDF417, etc. One-dimensional code: CODE128, EAN13, EAN8, CODE39, CODE93, ISBN10, ISBN13, ITF, UPCA, UPCE, AZTEC, etc.		
Screen code and paper code	Screen code and paper code	Screen code and paper code
15.9-75.68mm (15mil)	0-62.4mm (15mil)	22.5-129.06mm (15mil)
ISO 14443A protocol card, IS014443B protocol card		
Physical UID, M1 card sector	Physical UID, M1 card sector	Physical UID, M1 card sector CPU file reading and writing
＜5cm	＜5cm	M1card≤38mm; transponder card ≤21mm; ID card≤19mm
Buzzers, Indicator light	Buzzers, Indicator light	Buzzers, Indicator light, Voice (optional)
Yes	Yes	Yes
No	No	Yes
Ethernet	Ethernet	Ethernet
MQTT	MQTT	MQTT
Yes	Yes	Yes

Note: X Yes - No

Face product selection table

Model	FCV4914	FCV4905	FCV4906
			
Face recognition	0.3-2.3m	0.3-1.5m	0.3-1.5m
Qr Code (paper)	×	×	×
Qr code (mobile phone decoding) main scan	√	√	√
Qr code (mobile phone display) is swept	×	×	×
RFID	0-3cm	0-3cm	0-3cm
UUID(Physical card number)	√	√	√
Cipher	√	√	√
Read and write sectors of the M1 card	√	√	√
Bluetooth	×	×	√
USB	1	×	2
RS485	√	√	√
RS232	×	×	√
Wiegand	√	√	×
Ethernet	√	√	√
4G full Netcom	√	×	×
WiFi	√	√	√
Built-in one relay output	1	1	1
IO input (external signal input Such as door magnetism, going out, fire alarm, etc.)	2	2	2
Alarm signal inpu interface (as above)	2	2	2
Hall proof switch 1	√	×	×

Face product selection table

Model	FCV4914	FCV4905	FCV4906
			
IP Class	IP66	IP66	IP66
Color	Black & Metallic Silver	Black & Metallic Silver	Black & Metallic Silver
Panel	Glass touch glass panel	Glass touch glass panel	Glass touch glass panel
Size/mm	112×63×13.25	242×129.6×21	242×129.6×21
Screen size/inch	5.5	8	8
High brightness LCD touch screen	√	√	√
Operating Voltage	DC 9V-24V	DC 9V-24V	DC 9V-24V
Wide range voltage input	√	√	√
Recommended Supply Voltage	12V	12V	12V
SDK	√	√	√
Operating System	Linux	Linux	Android
CPU	Dual-core Cortex A7 1GHz	Dual-core Cortex A7 1GHz	Quad-core 64-bit Cortex-A55
NPU	×	1.2 TOPS	1 TOPS
Housing Material	High-temperature resistant polycarbon-ate+glass	All aluminum casing + glass (radium carvinglo-go)	All aluminum casing + glass (radium carvinglo-go)
Whitelist capacity	5000	50000	100000

Note: X Yes - No

Face product selection table

Model	FCV5003 	FCV5005 	FCV5006 
CPU	ARM Cortex A7 MP2 1GHz	ARM Cortex A7 MP2 1GHz	Four core 64 bit processor Cortex-A55
Operating system	Linux	Linux	Android
SDK	√	√	√
High light LCD touch display	×	√	√
Screen size/inch	7	8	8
IP Class	IP65	IP66	IP66
NPU	×	1.2 TOPS	1 TOPS
Operating voltage	DC 9V-24V	DC 9V-24V	DC 9V-24V
Wide voltage input	√	√	√
Recommended supply voltage	12V	12V	12V
External dimensions /mm	196×94×20.5	270×126×19.35	270×126×19.35
Colour	Black	Black & silver	Black & silver
Panel	Glass panel	Touch glass panel	Touch glass panel
Shell material	Fire resistant ABS+ glass	CNC aluminum frame + plastic back shell + glass	CNC aluminum frame + plastic back shell + glass
Face recognition	0.3-1.5m	0.3-1.5m	0.3-1.5m
Qr Code (paper)	×	√	√
Two-dimensional code (mobile phone decoding) main scan/swept	√	√	√
RFID	0-3cm	0-3cm	0-3cm
UUID (physical card number) /Read/write M1 card sector	√	√	√

Face product selection table

Model	FCV5003 	FCV5005 	FCV5006 
Cipher	×	√	√
Bluetooth	×	×	√
USB	×	×	2
RS485	√	√	√
RS232	×	×	√
Wiegand	√	√	×
Ethernet	√	√	√
4G full Netcom	×	×	×
WiFi	√	√	√
Built-in one relay output	1	1	1
IO input (external signal input, Such as door magnetism, going out, fire alarm, etc.)	2	2	2
Alarm signal input interface(same as above)	2	2	2
Hall proof switch 1	√	×	×
Whitelist capacity	3000	50000	100000

Note: X Yes - No

Code scanner product selection table

Model	FC8420	FC8440
		
Size	95×84×48mm	88×67×48mm
Code system	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc
Reading medium	Screen/Paper	Screen/Paper
Field Angle	Horizontal: 77°, Vertical: 60°	Horizontal: 77°, Vertical: 60°
Reading accuracy	≥7mil	≥7mil
Resolution	300,000	300,000
Reading distance	0-100mm	0-100mm
Frame rate	60 frames	60 frames
Master chip	1.2 G	1.2 G
port	USB, RS232, TTL, WiFi	USB, RS232, TTL, WiFi
Credit card support	support	support
Cloud pattern	/	/
Voice broadcast	/	/
Secondary development	support	support
Power Supply (DC)	5-15V	5-15V

Code scanner product selection table

Model	FC8130	FC8134	FC8135
			
Size	75×65×28.35mm	75×65×35.1mm	75×65×35.1mm
Code system	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc		
Reading medium	Screen/Paper	Screen/Paper	Screen/Paper
Field Angle	Horizontal: 72.1°; Vertical: 56.6°	Horizontal: 67.2°; Vertical: 52.6°	Horizontal: 67.2°; Vertical: 52.6°
Reading accuracy	≥8mil	≥8mil	≥8mil
Resolution	300,000	300,000	300,000
Reading distance	0-65.56 mm	0-78.8 mm	0-62.4 mm
Frame rate	60 frames	60 frames	60 frames
Master chip	1.2 G	1.2 G	1.2 G
Interface	USB, RS232, RS485 TTL, Wigand	USB, RS232, RS485 TTL, Wigand	RS232, RS485, Wiegand
Credit card	support	support	/
Cloud pattern	/	/	support
Voice broadcast	Buzzer, red, green and white indicator	Buzzer, red, green and white indicator	Buzzer, red, green and white indicator
Secondary development	support	support	support
Power Supply (DC)	5-24V	5-24V	5-15V

Note: X Yes - No

Code scanner product selection table

Model	FC7730 	FC7735 
Qr Code (paper)	√	√
Qr code (mobile phone)	√	√
RFID	0-3cm	0-3cm
UUID (Physical card number)	√	√
Operating system	Linux	Linux
SDK	√	√
Operating voltage	DC 5V-24V	DC 5V-24V
Wide voltage input	√	√
Recommended supply voltage	12V	12V
External dimensions /mm	88.3×88.3×28.35	88.38×88.38×35.1
Reading window size /mm	56×51	56×51
Panel	Front bezel-less Flat tempered glass	Front bezel-less Flat tempered glass
Colour	Black, white,gold	Black, white,gold
Shell material	ABS+ tempered glass	ABS+ tempered glass
IP Class	IP54	IP66
Built-in one relay output	×	1
PSAM certification	×	×
CE certification/marking	√	√
EMC certification	√	√
RoHS	×	×
WEEE Mark	×	×
CE required marking	√	√

Code scanner product selection table

Model	FC7730 	FC7735 
Cipher	×	×
Read and write card	√	√
Bluetooth	×	×
USB	√	×
RS485	√	√
RS232	√	√
Wigan	√	√
Ethernet	×	√
4G full Netcom	×	×
TTL	√	√
WiFi	×	×

Note: X Yes - No

Code scanner product selection table

Model	FC8198 	FC8168 
Size	56.67×38.67×12.2mm	44.4×36×11.8mm
Code system	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc
Reading medium	paper & screen	paper & screen
Field Angle	Horizontal:51°; Vertical:66°	Horizontal:77°; Vertical: 60°
Reading accuracy	≥10mil	≥8mil
Resolution	300,000	300,000
Reading distance	29-114mm	20-100mm
Frame rate	60 frames	60 frames
Master chip	1.2G	1.2G
Interface	USB, RS232, TTL	USB, RS232, TTL
Secondary development	Support	Support
Power Supply (DC)	5V	5V
Prompt mode	White lights flashing, beeping cue	White lights flashing

Code scanner product selection table

Model	FC8196 	FC8197 
Size	65×61.1×23.8mm	64.72×61.06×24mm
Code system	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc
Reading medium	screen	paper & screen
Field Angle	Horizontal: 62°; Vertical: 49°	Horizontal: 68.4°; Vertical: 45.6°
Reading accuracy	≥10mil	≥10mil
Resolution	300,000	300,000
Reading distance	0-70mm	10-100mm
Frame rate	30 frames	30 frames
Master chip	1.2G	1.2G
Interface	USB, RS232, TTL	USB, RS232, TTL
Secondary development	Support	Support
Power Supply (DC)	5V	5V
Prompt mode	White lights flashing, beeping cue	White lights flashing, beeping cue

Note: X Yes - No

Code scanner product selection table

Model	FC6820	FCZ5351	FCZ4900
			
Size	90.27×90×27.4mm	112.97×90.02×96.59m	114.5×87.1×126.4mm
Code system	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc
Reading medium	screen	screen	paper/screen
Field Angle	Horizontal: 65.3°; Vertical: 55.8°	Horizontal: 72.3°; Vertical: 58.5°	Horizontal: 77°; Vertical: 60°
Reading accuracy	≥8mil	≥7mil	≥10mil
Resolution	480,000	300,000	300,000
Reading distance	22.5-129.06mm	0-130mm	0-130mm
Frame rate	60 frames	60 frames	60 frames
Master chip	1.2 G	1.2 G	1.2 G
Interface	RS485, Ethernet, WiFi	USB, WiFi	USB, RS232, WiFi
Credit card	support	support	/
Cloud pattern	support	support	/
Voice broadcast	support	support	support
Secondary development	support	support	support
Power Supply (DC)	9-15V	5-15V	5V

Code scanner product selection table

Model	FC7480	FC7470
		
Size	102×78.5×42.5mm	122×89×58.6mm
Code system	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc	QR Code, EAN-8, EAN-13, ISBN-10, ISBN-13, CODE39, CODE93, CODE128, UPC, ITF, PDF417, etc
Reading medium	Screen/Paper	Screen/Paper
Field Angle	Horizontal: 44°, Vertical: 63°	Horizontal: 86°, Vertical: 62°
Reading accuracy	≥9mil	≥5mil
Resolution	1,000,000	300,000
Reading distance	0-190mm	0-190mm
Frame rate	60 frames	60 frames
Master chip	1.2 G	1.2 G
port	USB, RS232, RS485	USB, RS232
Credit card support	/	/
Cloud pattern	/	/
Voice broadcast	/	/
Secondary development	support	support
Power Supply (DC)	5-15V	5-15V

Note: X Yes - No