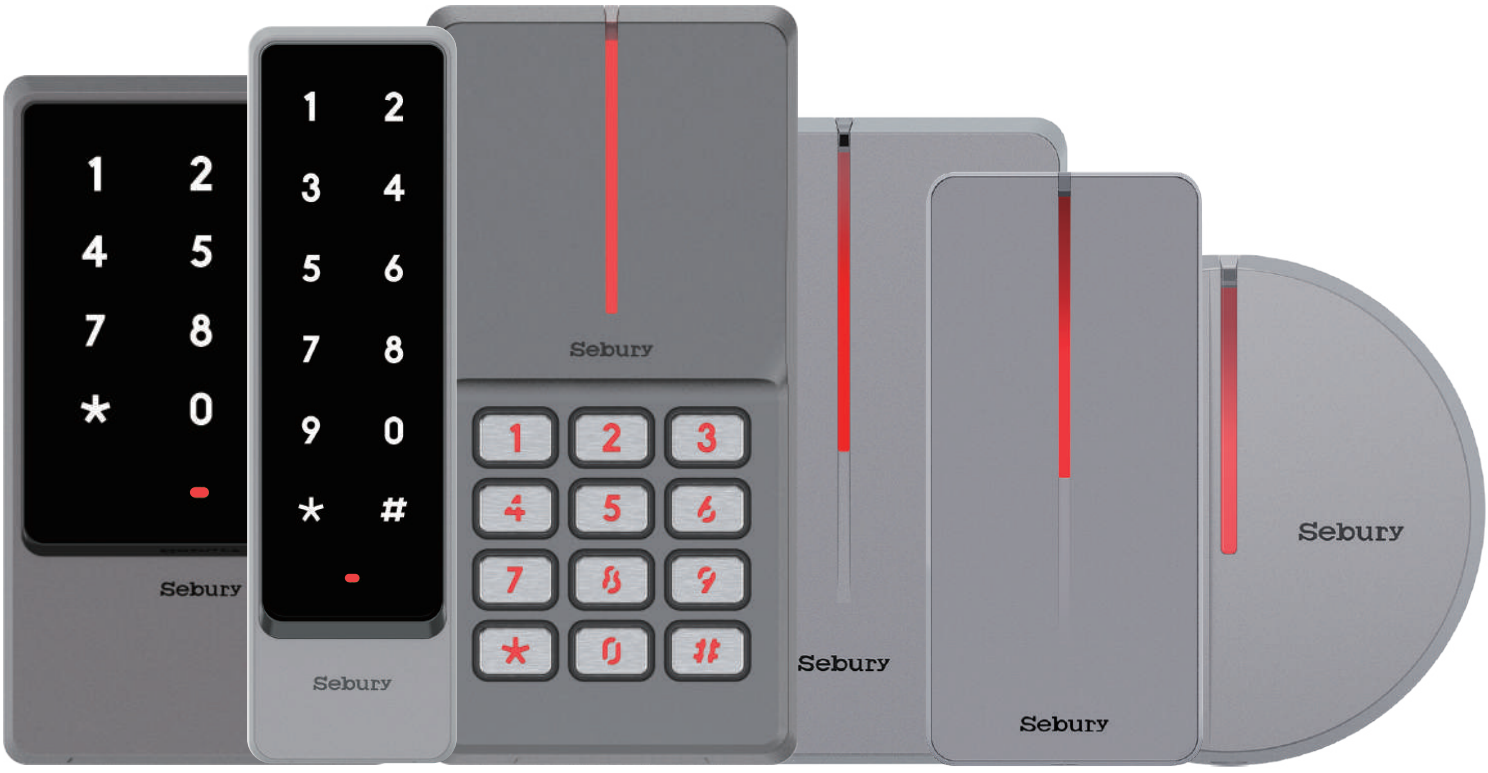
PRODUCTS SHOW

HIGH-END ACCESS CONTROL SYSTEM

The first to adopt a metal structure, the company has been constantly improving its design from both safety and fashion perspectives.



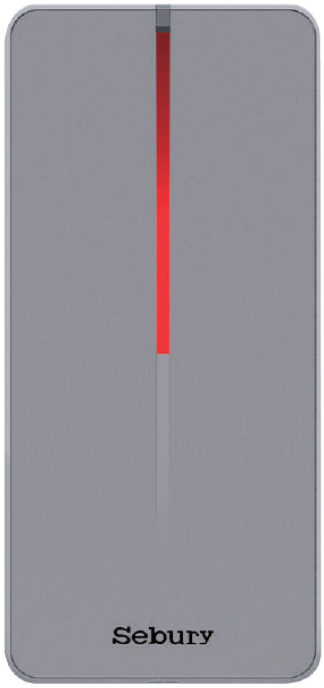


ELEGANT DESIGN

mReader is a minimalist card reader inspired by the story of Moses parting the red sea from Bible.The design redefines traditional access control card reader as a real all-metal card reader,perfectly combines both aesthetics and functionality

mReader

All-Metal Access Control Card Reader



1.Adopt the non-electromagnetic shielding metal access control patent technology, patent NO.:CN210610015U

2.Innovative All-metal Design,no antenna window, win 2020 International iF Design Award

3.125kHz and 13.56MHz Dual-band antenna, support to read EM/HID/MF/NFC cards

4.Can change the output format and the card reading type by sGuard

5.Fully potted process, IP65

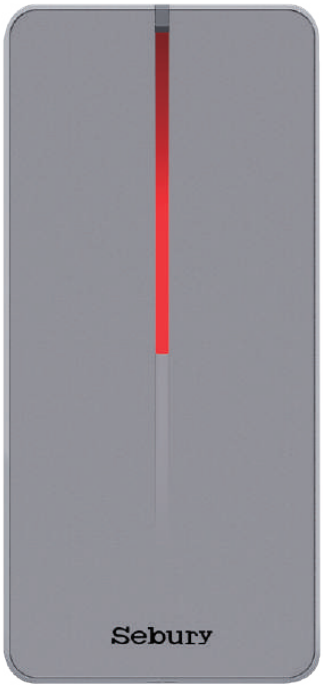
SPECIFICATION

Material	Zinc Alloy
Input Voltage	DC12V±10%
Idle Current	⩽35mA
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Wiegand 26-37 bit (default wiegand 26 bit, customized other format, HID card output wiegand 26-37 automatically.)
Optional Design	mReader Max/mReader O
Working Temperature	-20~50° C (-4°F ~ 122°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	103 mm x 48 mm x 22mm (4.06 in x 1.89 in x 0.87 in) (HxWxD)
Product Weight	289g (10.19 oz)

DESIGN AWARD 2020

mReader-OSDP

All-Metal Access Control Card Reader



1.Adopt the non-electromagnetic shielding metal access control patent technology, patent NO.:CN210610015U

2.Innovative All-metal Design,no antenna window, win 2020 International iF Design Award

3.125kHz and 13.56MHz Dual-band antenna, support to read EM/HID/MF/NFC cards

4.Can change the output format and the card reading type by sGuard

5.Fully potted process, IP65

6.It is the latest generation of access control card readers that supports OSDP and the latest SIA OSDP2.2 version

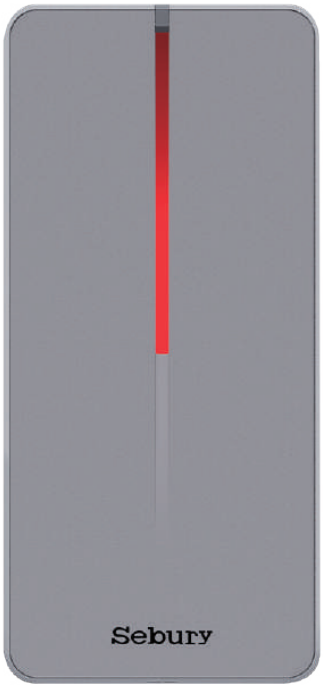
7.Infrared reflection type anti-tamper alarm, which outputs an alarm signal through the OSDP and solid-state relay interface, and the buzzer emits a dedicated alarm sound

SPECIFICATION

Material	Zinc Alloy
Input Voltage	DC12V±10%
Idle Current	⩽35mA
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Wiegand 26-37 bit (default wiegand 26 bit, customized other format, HID card output wiegand 26-37 automatically.)
Optional Design	mReader Max/mReader O
Communication Interface	Wiegand and RS-485 Half Duplex (OSDP)
Working Temperature	-20~50° C(-4°F ～ 122°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	103mm x 48mm x 22mm (4.06 in x 1.89 in x 0.87 in) (HxWxD)
OSDP Format	EM:24-bit, 32-bit, 40-bit Raw Bit Array format, 26-bit, 34-bit, 42-bit P/data/P format HID:Automatically output 26-37 bits P/data/P format according to the card data Mifare or NFC:24-bit, 32-bit, 56-bit, 64-bit Raw Bit Array format, 26-bit, 34-bit, 58-bit, 66-bit P/data/P format
Product Weight	289g (10.19 oz)

mReader-Encryption

All-Metal Access Control Card Reader



1.Adopt the non-electromagnetic shielding metal access control patent technology, patent NO.:CN210610015U

2.Innovative All-metal Design,no antenna window, win 2020 International iF Design Award

3.125kHz and 13.56MHz Dual-band antenna, support to read EM/HID/MF/NFC cards

4.Can change the output format and the card reading type by sGuard

5.Fully potted process, IP65

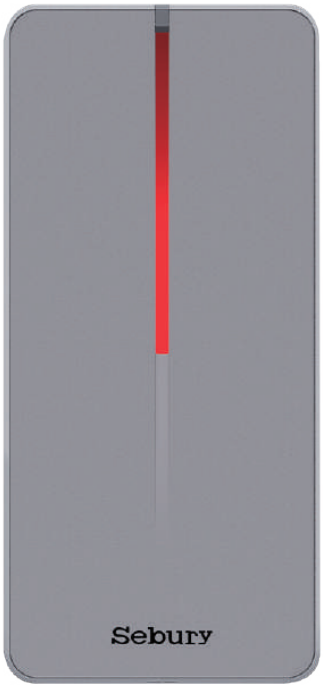
6.Supports sector encryption for Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3 cards, ensuring card security against duplication

SPECIFICATION

Material	Zinc Alloy
Input Voltage	DC12V±10%
Idle Current	⩽35mA
13.56MHz	UID:Mifare and its compatible cards that comply with ISO14443A, including Mifare Classic, Mifare Plus, Mifare DESFire cards, NFC Sector Encryption:Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3
125kHz	EM Proximity, HID Proximity
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Optional Design	mReader Max/mReader O
Working Temperature	-20~50° C(-4°F ~ 122°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	103mm x 48mm x 22mm (4.06 in x 1.89 in x 0.87 in) (HxWxD)
Wiegand Format	EM:26-bit, 34-bit, 42-bit with check bit, 32-bit, 40-bit without check bit HID:Automatically output 26-37 bits according to card data Mifare or NFC:32-bit MSB, 32-bit LSB, 56-bit MSB, 56-bit LSB, 40-bit MSB, 40-bit LSB, 64-bit MSB, 64-bit LSB without check bit, 26-bit MSB, 26-bit w/Facility Code, 34-bit MSB, 37-bit LSB, HID 35-bit, HID 48-bit, 58-bit MSB, 37-bit MSB, 66-bit MSB with check bit
Product Weight	289g (10.19 oz)

mReader-OSDP-Encryption

All-Metal Access Control Card Reader



1.Adopt the non-electromagnetic shielding metal access control patent technology, patent NO.:CN210610015U

2.Innovative All-metal Design,no antenna window, win 2020 International iF Design Award

3.125kHz and 13.56MHz Dual-band antenna, support to read EM/HID/MF/NFC cards

4.Can change the output format and the card reading type by sGuard

5.Fully potted process, IP65

6.It is the latest generation of access control card readers that supports OSDP and the latest SIA OSDP2.2 version

7.Infrared reflection type anti-tamper alarm which outputs an alarm signal through the OSDP and solid-state relay interface, and the buzzer emits a dedicated alarm sound

8.Supports sector encryption for Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3 cards, ensuring card security against duplication

SPECIFICATION

Material	Zinc Alloy
Input Voltage	DC12V±10%
Idle Current	≤35mA
13.56MHz	UID:Mifare and its compatible cards that comply with ISO14443A, including Mifare Classic, Mifare Plus, Mifare DESFire cards, NFC Sector Encryption:Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3
125kHz	EM Proximity, HID Proximity
Reading Card Distance	125kHz: ≤5cm 13.56MHz: ≤2cm
Optional Design	mReader Max/mReader O
Communication Interface	Wiegand and RS-485 Half Duplex (OSDP)
Working Temperature	-20~50° C(-4°F ~ 122°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	103mm x 48mm x 22mm (4.06 in x 1.89 in x 0.87 in) (HxWxD)
OSDP Format	EM:24-bit, 32-bit, 40-bit Raw Bit Array format, 26-bit, 34-bit, 42-bit P/data/P format HID:Automatically output 26-37 bits P/data/P format according to the card data Mifare or NFC:24-bit, 32-bit, 56-bit, 64-bit Raw Bit Array format, 26-bit, 34-bit, 58-bit, 66-bit P/data/P format
Wiegand Format	EM:26-bit, 34-bit, 42-bit with check bit, 32-bit, 40-bit without check bit HID:Automatically output 26-37 bits according to card data Mifare or NFC:32-bit MSB, 32-bit LSB, 56-bit MSB, 56-bit LSB, 40-bit MSB, 40-bit LSB, 64-bit MSB, 64-bit LSB without check bit, 26-bit MSB, 26-bit w/Facility Code, 34-bit MSB, 37-bit LSB, HID 35-bit, HID 48-bit, 58-bit MSB, 37-bit MSB, 66-bit MSB with check bit
Product Weight	289g (10.19 oz)

mReader-Max

All-Metal Access Control Card Reader



1.Adopt the non-electromagnetic shielding metal access control patent technology, patent NO.:CN210610015U

2.Innovative All-metal Design,no antenna window

3.125kHz and 13.56MHz Dual-band antenna, support to read EM/HID/MF/NFC cards

4.Can change the output format and the card reading type by sGuard

5.Fully potted process, IP65

SPECIFICATION

Material	Zinc Alloy
Input Voltage	DC12V±10%
Idle Current	⩽35mA
Wiring Length	50cm
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Wiegand 26-37 bit (default wiegand 26 bit, customized other format, HID card output wiegand 26-37 automatically.)
Working Temperature	-20~50° C(-4°F～122°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	120mm x 83mm x 22.5mm(4.72 in x 3.27 inx 0.89 in)(HxWxD)
Product Weight	469g(16.54 oz)

mReader-O

All-Metal Access Control Card Reader



1.Adopt the non-electromagnetic shielding metal access control patent technology, patent NO.:CN210610015U

2.Innovative All-metal Design,no antenna window

3.125kHz and 13.56MHz Dual-band antenna, support to read EM/HID/MF/NFC cards

4.Can change the output format and the card reading type by sGuard

5.Fully potted process, IP65

SPECIFICATION

Material	Zinc Alloy
Input Voltage	DC12V±10%
Idle Current	⩽35mA
Wiring Length	50cm
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Wiegand 26-37 bit (default wiegand 26 bit, customized other format, HID card output wiegand 26-37 automatically.)
Working Temperature	-20~50° C(-4°F ～ 122°F)
Working Humidity	0~95%(non-condensing)
Product Dimension	83 mm x 83 mm x 27.3mm(3.27 in x 3.27 in x 1.07 in)(HxWxD)
Product Weight	291g(10.26 oz)

sTouch 2

Touch Keypad Metal Standalone Access Control/Reader



1.Metal structure, high strength wear-resistant reinforced glass panel, capacitive touch keypad

2.125kHz and 13.56MHz dual-band antenna, support EM/HID/MF/NFC cards

3.The backlight can be set to normal ON, normal OFF or automatic mode

4.Standalone mode, anti-passback mode: wiegand input, external card reader can be connected

5.Reader mode: wiegand output, LED and Buzzer control input

6.Fully potted process, IP65

SPECIFICATION

Material	Zinc Alloy+ Reinforced Glass
Input Voltage	DC12-24V
Idle Current	⩽50mA
Card Reading Type	125kHz: EM/HID
	13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Card: wiegand 26-37 bit (HID card output wiegand 26-37 automatically.)
	Keypad: 4 bit, 8 bit, virtual card number
Working Temperature	-20~60° C(-4°F ～ 140°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	145mm x 83mm x 26mm(5.71 in x 3.27 in x 1.02 in)(HxWxD)
Product Weight	512g (18.06 oz)

sTouch 2R

Touch Keypad Metal Card Reader



1.Metal structure, high strength wear-resistant reinforced glass panel, capacitive touch keypad

2.125kHz and 13.56MHz dual-band antenna, support EM/HID/MF/NFC cards

3.The backlight can be set to normal ON, normal OFF or automatic mode

4.Reader mode: wiegand output, LED and Buzzer control input

5.Fully potted process, IP65

SPECIFICATION

Material	Zinc Alloy+ Reinforced Glass
Input Voltage	DC12-24V
Idle Current	⩽50mA
Card Reading Type	125kHz: EM/HID
	13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Card: wiegand 26-37 bit (HID card output wiegand 26-37 automatically.)
	Keypad: 4 bit, 8 bit, virtual card number
Working Temperature	-20~60° C(-4°F ～ 140°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	145mm x 83mm x 26mm(5.71 in x 3.27 in x 1.02 in)(HxWxD)
Product Weight	512g (18.06 oz)

sTouch 2-OSDP

Touch Keypad Metal Standalone Access Control/Reader



1.Metal structure, high strength wear-resistant reinforced glass panel, capacitive touch keypad

2.125kHz and 13.56MHz dual-band antenna, support EM/HID/MF/NFC cards

3.The backlight can be set to normal ON, normal OFF or automatic mode

4.Standalone mode, anti-passback mode: wiegand input, external card reader can be connected

5.Reader mode: wiegand output, LED and Buzzer control input

6.Fully potted process, IP65

7. It is the latest generation of access control card readers that supports OSDP and the latest SIA OSDP2.2 version

8.Infrared reflection type anti-tamper alarm which outputs an alarm signal through the OSDP and solid-state relay interface, and the buzzer emits a dedicated alarm sound

SPECIFICATION

Material	Zinc Alloy+ Reinforced Glass
Input Voltage	DC12~24V
Idle Current	⩽50mA
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Card: wiegand 26-37 bit (HID card output wiegand 26-37 automatically.) Keypad: 4 bit, 8 bit, virtual card number
Communication Interface	Wiegand and RS-485 Half Duplex (OSDP)
Working Temperature	-20~60° C(-4°F ～ 140°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	145mm x 83mm x 26mm(5.71 in x3.27 in x1.02 in)(HxWxD)
OSDP Format	EM:24-bit, 32-bit, 40-bit Raw Bit Array format, 26-bit, 34-bit, 42-bit P/data/P format HID:Automatically output 26-37 bits P/data/P format according to the card data Mifare or NFC:24-bit, 32-bit, 56-bit, 64-bit Raw Bit Array format, 26-bit, 34-bit, 58-bit, 66-bit P/data/P format
Product Weight	512g (18.06 oz)

sTouch 2-Encryption

Touch Keypad Metal Standalone Access Control/Reader



1.Metal structure, high strength wear-resistant reinforced glass panel, capacitive touch keypad

2.125kHz and 13.56MHz dual-band antenna, support EM/HID/MF/NFC cards

3.The backlight can be set to normal ON, normal OFF or automatic mode

4.Fully potted process, IP65

5.Supports sector encryption for Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3 cards, ensuring card security against duplication

SPECIFICATION

Material	Zinc Alloy+ Reinforced Glass
Input Voltage	DC12~24V
Idle Current	⩽50mA
13.56MHz	UID:Mifare and its compatible cards that comply with ISO14443A, including Mifare Classic, Mifare Plus, Mifare DESFire cards, NFC Sector Encryption:MIFARE Classic and Mifare Plus EV2 and Mifare DESFire EV3
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Working Temperature	-20~60° C(-4°F ～ 140°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	145mm x 83mm x 26mm(5.71 in x3.27 in x1.02 in)(HxWxD)
Wiegand Format	EM:26-bit, 34-bit, 42-bit with check bit, 32-bit, 40-bit without check bit HID:Automatically output 26-37 bits according to card data Mifare or NFC:32-bit MSB, 32-bit LSB, 56-bit MSB, 56-bit LSB, 40-bit MSB, 40-bit LSB, 64-bit MSB, 64-bit LSB without check bit, 26-bit MSB, 26-bit w/Facility Code, 34-bit MSB, 37-bit LSB, HID 35-bit, HID 48-bit, 58-bit MSB, 37-bit MSB, 66-bit MSB with check bit
Product Weight	512g (18.06 oz)

sTouch 2-OSDP-Encryption

Touch Keypad Metal Standalone Access Control/Reader



1.Metal structure, high strength wear-resistant reinforced glass panel, capacitive touch keypad

2.125kHz and 13.56MHz dual-band antenna, support EM/HID/MF/NFC cards

3.The backlight can be set to normal ON, normal OFF or automatic mode

4.Fully potted process, IP65

5.Wiegand output and OSDP output, supports the latest SIA OSDP2.2 version

6.Infrared reflection type anti-tamper alarm which outputs an alarm signal through the OSDP and solid-state relay interface, and the buzzer emits a dedicated alarm sound

7.Supports sector encryption for Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3 cards, ensuring card security against duplication

SPECIFICATION

Material	Zinc Alloy+ Reinforced Glass
Input Voltage	DC12~24V
Idle Current	⩽50mA
13.56MHz	UID:Mifare and its compatible cards that comply with ISO14443A, including Mifare Classic, Mifare Plus, Mifare DESFire cards, NFC Sector Encryption:MIFARE Classic and Mifare Plus EV2 and Mifare DESFire EV3
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Card: wiegand 26-37 bit (HID card output wiegand 26-37 automatically.) Keypad: 4 bit, 8 bit, virtual card number
Communication Interface	Wiegand and RS-485 Half Duplex (OSDP)
Working Temperature	-20~60° C(-4°F ～ 140°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	145mm x 83mm x 26mm(5.71 in x3.27 in x1.02 in)(HxWxD)
OSDP Format	EM:24-bit, 32-bit, 40-bit Raw Bit Array format, 26-bit, 34-bit, 42-bit P/data/P format HID:Automatically output 26-37 bits P/data/P format according to the card data Mifare or NFC:24-bit, 32-bit, 56-bit, 64-bit Raw Bit Array format, 26-bit, 34-bit, 58-bit, 66-bit P/data/P format
Wiegand Format	EM:26-bit, 34-bit, 42-bit with check bit, 32-bit, 40-bit without check bit HID:Automatically output 26-37 bits according to card data Mifare or NFC:32-bit MSB, 32-bit LSB, 56-bit MSB, 56-bit LSB, 40-bit MSB, 40-bit LSB, 64-bit MSB, 64-bit LSB without check bit, 26-bit MSB, 26-bit w/Facility Code, 34-bit MSB, 37-bit LSB, HID 35-bit, HID 48-bit, 58-bit MSB, 37-bit MSB, 66-bit MSB with check bit
Product Weight	512g (18.06 oz)

sTouch 2-OSDP-Encryption-BLE

Touch Keypad Metal Standalone Access Control/Reader



1.Metal structure, high strength wear-resistant reinforced glass panel, capacitive touch keypad

2.125kHz and 13.56MHz dual-band antenna, support EM/HID/MF/NFC cards

3.The backlight can be set to normal ON, normal OFF or automatic mode

4. Fully potted process, IP65

5.Wiegand output and OSDP output, supports the latest SIA OSDP2.2 version

6.Infrared reflection type anti-tamper alarm which outputs an alarm signal through the OSDP and solid-state relay interface, and the buzzer emits a dedicated alarm sound

7.Supports sector encryption for Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3 cards, ensuring card security against duplication

8.sTouch2-OSDP-Encryption-BLE supports virtual card numbers via Bluetooth on mobile phones, allowing easy access even without a physical card,furthermore,it can adjust machine parameters through a mobile app according to users' personalized needs, to accommodate different equipment and locations

iOS

Android

HarmonyOS

SPECIFICATION

Material	Zinc Alloy+ Reinforced Glass
Input Voltage	DC12~24V
Idle Current	⩽50mA
13.56MHz	UID:Mifare and its compatible cards that comply with ISO14443A, including Mifare Classic, Mifare Plus, Mifare DESFire cards, NFC Sector Encryption:Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125KHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Card: wiegand 26-37 bit (HID card output wiegand 26-37 automatically.) Keypad: 4 bit, 8 bit, virtual card number
Communication Interface	Wiegand and RS-485 Half Duplex (OSDP)
Working Temperature	-20~60° C(-4°F ～ 140°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	145mm x 83mm x 26mm(5.71 in x3.27 in x1.02 in)(HxWxD)
OSDP Format	EM:24-bit, 32-bit, 40-bit Raw Bit Array format, 26-bit, 34-bit, 42-bit P/data/P format HID:Automatically output 26-37 bits P/data/P format according to the card data Mifare or NFC:24-bit, 32-bit, 56-bit, 64-bit Raw Bit Array format, 26-bit, 34-bit, 58-bit, 66-bit P/data/P format
Wiegand Format	EM:26-bit, 34-bit, 42-bit with check bit, 32-bit, 40-bit without check bit HID:Automatically output 26-37 bits according to card data Mifare or NFC:32-bit MSB, 32-bit LSB, 56-bit MSB, 56-bit LSB, 40-bit MSB, 40-bit LSB, 64-bit MSB, 64-bit LSB without check bit, 26-bit MSB, 26-bit w/Facility Code, 34-bit MSB, 37-bit LSB, HID 35-bit, HID 48-bit, 58-bit MSB, 37-bit MSB, 66-bit MSB with check bit
2.4GHz(Bluetooth)	Users download the OSDP Reader application and use a virtual card number to unlock the door. The administrator downloads the OSDP Reader Manager application to manage the parameters of the reader.
Device Management	Mobile phone (Bluetooth communication)
Product Weight	512g (18.06 oz)



sTouch 2s

Touch Keypad Metal Standalone Access Control/Reader

1.Metal structure, high strength wear-resistant reinforced glass panel, capacitive touch keypad

2.125kHz and 13.56MHz dual-band antenna, support EM/HID/MF/NFC cards

3.The backlight can be set to normal ON, normal OFF or automatic mode

4.Standalone mode, anti-passback mode: wiegand input, external card reader can be connected

5.Reader mode: wiegand output, LED and Buzzer control input

6.Fully potted process, IP65

SPECIFICATION

Material	Zinc Alloy+ Reinforced Glass
Input Voltage	DC12V±10%
Idle Current	⩽50mA
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Card: wiegand 26-37 bit (HID card output wiegand 26-37 automatically.) Keypad: 4 bit, 8 bit, virtual card number
Working Temperature	-20~60° C(-4°F ~ 140°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	160mm x 45mm x 26mm(6.30 in x 1.77 in x 1.02 in)(HxWxD)
Product Weight	342g (12.06 oz)



sTouch 2Rs

Touch Keypad Metal Card Reader

1.Metal structure, high strength wear-resistant reinforced glass panel, capacitive touch keypad

2.125kHz and 13.56MHz dual-band antenna, support EM/HID/MF/NFC cards

3.The backlight can be set to normal ON, normal OFF or automatic mode

4.Reader mode: wiegand output, LED and Buzzer control input

5.Fully potted process, IP65

SPECIFICATION

Material	Zinc Alloy+ Reinforced Glass
Input Voltage	DC12V±10%
Idle Current	⩽50mA
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125kHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Card: wiegand 26-37 bit (HID card output wiegand 26-37 automatically.) Keypad: 4 bit, 8 bit, virtual card number
Working Temperature	-20~60° C(-4°F ～ 140°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	160mm x 45mm x 26mm(6.30 in x 1.77 in x 1.02 in)(HxWxD)
Product Weight	342g (12.06 oz)

sKey2

Metal Waterproof RFID Access Control/Card Reader



1.Metal access control without electromagnetic shielding technology, patent No:CN210610015U
2.A faded split within the indicator, with more durable and larger keycaps
3.Full sealing potting process, ingress protection rating is 65
4.Can be set to card reader mode, standalone mode or anti-passback mode
5.Support 125kHz EM & HID cards or 13.56MHz Mifare cards (including CPU cards and NFC tags)
6.The standalone mode uses a relay to output the unlock signal which supports various application scenarios
7.Customizable output format: 26-37 bit, 26 bit is default (HID card format depends on the card)
8.Anti-passback mode can control entry and exit permissions in both directions to prevent tailgating
9.Keypad output format can be adjusted from 4 bit to 8 bit, with 26-37 bit virtual card number support
10.The back panel conforms to the Single Gang standard, which is time-saving and easy to install
11.Non-card reader mode supports Wiegand input and can be connected with an external card reader
12.Card reader mode supports Wiegand output, as well as LED and buzzer control signal input

SPECIFICATION

Operating Voltage Range	DC12V~24V
Card Type	125KHz EM HID & 13.56MHz Mifare
Wiegand Interface	Wiegand 26-37 (HID card output wiegand 26-37 bit automatically)
Idle Current	⩽50mA
Card Read Range	EM&HID card 5cm/Mifare&CPU card 2cm
Environment	Conform to IP65
Operating Temperature	-20~60°C (-4°F ~ 140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	170mm x 83mm x 26mm(6.69 in x 3.27 in x 1.02 in)(HxWxD)
Product Weight	580g (20.46 oz)

Reader-W

Plastic Waterproof RFID Card Reader



1.ABS plus PC body, better sealing to waterproof and dustproof

2.Support 125kHz EM and HID cards and 13.56MHz Mifare cards (including CPU cards and NFC tags)

3.Customizable output format: 26-37 bit, 26 bit is default (HID card is based on card format)

4.Indicator and buzzer can be controlled externally to indicate the validity of card swiping

5.Adopting 6-wire system, which can be used for access controller with Wiegand interface and electric lock state feedback

6.Support access control manager(sGuard) to change the Wiegand output format and card reading type (EM, HID, EM & HID, Mifare)

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	EM&HID card(125kHz),IC card (including Mifare and CPU card, 13.56MHz, ISO14443a)
Wiegand Interface	Wiegand 26-37bit (Default 26bit, Customize for other bit)
Idle Current	≤50mA
Card Read Range	≤5cm
Environment	Conform to IP65
Wiring Length	50cm
Operating Temperature	-20~50°C (-4°F ~ 122°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	120mm x 85mm x 23mm (4.72 in x 3.35 in x 0.91 in)(HxWxD)
Product Weight	210g(7.41 oz)

Reader-S

Plastic Waterproof RFID Card Reader



1.ABS plus PC body, better sealing to waterproof and dustproof

2.Support 125kHz EM and HID cards and 13.56MHz Mifare cards (including CPU cards and NFC tags)

3.Customizable output format: 26-37 bit, 26 bit is default (HID card is based on card format)

4.Indicator and buzzer can be controlled externally to indicate the validity of card swiping

5.Adopting 6-wire system, which can be used with access controller with Wiegand interface and electric lock state feedback

6.Support access control manager(sGuard) to change the Wiegand output format and card reading type (EM, HID, EM & HID, Mifare)

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	EM&HID card(125KHz),IC card (including Mifare and CPU card, 13.56MHz, ISO14443a)
Wiegand Interface	Wiegand 26-37bit (Default 26bit, Customize for other bit)
Idle Current	≤50mA
Card Read Range	≤5cm
Environment	Conform to IP65
Wiring Length	50cm
Operating Temperature	-20~50°C (-4°F ~ 122°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	107mm x 48mm x 23mm (4.21 in x 1.89 in x 0.91 in)(HxWxD)
Product Weight	129g (4.55 oz)

sReader-s-OSDP



Plastic Waterproof RFID Card Reader

1.ABS plus PC body, better sealing to waterproof and dustproof
2.Support 125kHz EM and HID cards, or 13.56MHz Mifare cards (including CPU cards and NFC tags)
3.Indicator and buzzer can be controlled externally to indicate the validity of card swiping
4.Adopting 6-wire system, which can be used for access controller with Wiegand interface and electric lock state feedback
5.Support access control manager(sGuard) to change the Wiegand output format and card reading type (EM, HID, EM & HID, Mifare)
6.It is the latest generation of access control card readers that supports OSDP, and the latest SIA OSDP2.2 version
7.Infrared reflection type anti-tamper alarm, which outputs an alarm signal through the OSDP and solid-state relay interface, and the buzzer emits a dedicated alarm sound

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	EM&HID card(125kHz),IC card (including Mifare and CPU card, 13.56MHz, ISO14443a)
Idle Current	≤50mA
Card Read Range	≤5cm
Environment	Conform to IP65
Communication Interface	Wiegand and RS-485 Half Duplex (OSDP)
Operating Temperature	-20~50°C (-4°F ~ 122°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	107mm x 48mm x 23mm (4.21 in x 1.89 in x 0.91 in)(HxWxD)
OSDP Baud Rate	9600, 19200, 38400, 57600, 115200bps automatic adaptation
OSDP Format	EM:24-bit, 32-bit, 40-bit Raw Bit Array format, 26-bit, 34-bit, 42-bit P/data/P format HID:Automatically output 26-37 bits P/data/P format according to the card data Mifare or NFC:24-bit, 32-bit, 56-bit, 64-bit Raw Bit Array format, 26-bit, 34-bit, 58-bit, 66-bit P/data/P format
Wiegand Format	EM:26-bit, 34-bit, 42-bit with check bit, 32-bit, 40-bit without check bit HID:Automatically output 26-37 bits according to card data Mifare or NFC:32-bit MSB, 32-bit LSB, 56-bit MSB, 56-bit LSB, 40-bit MSB, 40-bit LSB, 64-bit MSB, 64-bit LSB without check bit, 26-bit MSB, 26-bit w/Facility Code, 34-bit MSB, 37-bit LSB, HID 35-bit, HID 48-bit, 58-bit MSB, 37-bit MSB, 66-bit MSB with check bit
Product Weight	129g (4.55 oz)

sReader-s-Encryption



Plastic Waterproof RFID Card Reader

1.ABS plus PC body, better sealing to waterproof and dustproof

2.Support 125kHz EM and HID cards, or 13.56MHz Mifare cards (including CPU cards and NFC tags)

3.Indicator and buzzer can be controlled externally to indicate the validity of card swiping

4.Adopting 6-wire system, which can be used for access controller with Wiegand interface and electric lock state feedback

5.Support access control manager(sGuard) to change the Wiegand output format and card reading type (EM, HID, EM & HID, Mifare)

6.Supports sector encryption for Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3 cards, ensuring card security against duplication.The card UID can be output through MIFARE Classic and Mifare Plus EV2 and Mifare DESFire EV3 sector key verification

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	EM,HID card(125kHz),IC card (including Mifare and CPU card, 13.56MHz, ISO14443a)
Idle Current	≤50mA
Card Read Range	≤5cm
Environment	Conform to IP65
Operating Temperature	-20~50°C (-4°F ～ 122°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	107mm x 48mm x 23mm (4.21 in x 1.89 in x 0.91 in)(HxWxD)
Wiegand Format	EM:26-bit, 34-bit, 42-bit with check bit, 32-bit, 40-bit without check bit HID:Automatically output 26-37 bits according to card data Mifare or NFC:32-bit MSB, 32-bit LSB, 56-bit MSB, 56-bit LSB, 40-bit MSB, 40-bit LSB, 64-bit MSB, 64-bit LSB without check bit, 26-bit MSB, 26-bit w/Facility Code, 34-bit MSB, 37-bit LSB, HID 35-bit, HID 48-bit, 58-bit MSB, 37-bit MSB, 66-bit MSB with check bit
Read Mifare card mode	UID, UID with key or Block Data
LED indicator light color and brightness	Off or 7 colors, 21 levels of brightness
Read Mifare card key setting	6 bytes for Mifare Classic, 16 bytes for Mifare Plus EV2,16 bytes for Mifare DESFire EV3
13.56 MHz	UID:Mifare and its compatible cards that comply with ISO14443A, including Mifare Classic, Mifare Plus, Mifare DESFire cards, NFC Sector Encryption:MIFARE Classic and Mifare Plus EV2 and Mifare DESFire EV3
125 kHz	EM Proximity, HID Proximity
Product Weight	129g (4.55 oz)

sReader-s-OSDP-Encryption



Plastic Waterproof RFID Card Reader

1.ABS plus PC body, better sealing to waterproof and dustproof
2.Support 125kHz EM and HID cards, or 13.56MHz Mifare cards (including CPU cards and NFC tags)
3.Indicator and buzzer can be controlled externally to indicate the validity of card swiping
4.Adopting 6-wire system, which can be used for access controller with Wiegand interface and electric lock state feedback
5.Support access control manager(sGuard) to change the Wiegand output format and card reading type (EM, HID, EM & HID, Mifare)
6.It is the latest generation of access control card readers that supports OSDP, and the latest SIA OSDP2.2 version
7.Infrared reflection type anti-tamper alarm, which outputs an alarm signal through the OSDP and solid-state relay interface, and the buzzer emits a dedicated alarm sound
8.Supports sector encryption for Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3 cards, ensuring card security against duplication.The card UID can be output through MIFARE Classic and Mifare Plus EV2 and Mifare DESFire EV3 sector key verification

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	EM,HID card(125kHz),IC card (including Mifare and CPU card, 13.56MHz, ISO14443a)
Idle Current	≤50mA
Card Read Range	≤5cm
Environment	Conform to IP65
Communication Interface	Wiegand and RS-485 Half Duplex (OSDP)
Operating Temperature	-20~50°C (-4°F ~ 122°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	107mm x 48mm x 23mm (4.21 in x 1.89 in x 0.91 in)(HxWxD)
OSDP Baud Rate	9600, 19200, 38400, 57600, 115200bps automatic adaptation
OSDP Format	EM:24-bit, 32-bit, 40-bit Raw Bit Array format, 26-bit, 34-bit, 42-bit P/data/P format HID:Automatically output 26-37 bits P/data/P format according to the card data Mifare or NFC:24-bit, 32-bit, 56-bit, 64-bit Raw Bit Array format, 26-bit, 34-bit, 58-bit, 66-bit P/data/P format
Wiegand Format	EM:26-bit, 34-bit, 42-bit with check bit, 32-bit, 40-bit without check bit HID:Automatically output 26-37 bits according to card data Mifare or NFC:32-bit MSB, 32-bit LSB, 56-bit MSB, 56-bit LSB, 40-bit MSB, 40-bit LSB, 64-bit MSB, 64-bit LSB without check bit, 26-bit MSB, 26-bit w/Facility Code, 34-bit MSB, 37-bit LSB, HID 35-bit, HID 48-bit, 58-bit MSB, 37-bit MSB, 66-bit MSB with check bit
Read Mifare card mode	UID, UID with key or Block Data
LED indicator light color and brightness	Off or 7 colors, 21 levels of brightness
Read Mifare card key setting	6 bytes for Mifare Classic, 16 bytes for Mifare Plus EV2,16 bytes for Mifare DESFire EV3
13.56 MHz	UID:Mifare and its compatible cards that comply with ISO14443A, including Mifare Classic, Mifare Plus, Mifare DESFire cards, NFC Sector Encryption:MIFARE Classic and Mifare Plus EV2 and Mifare DESFire EV3
125 kHz	EM Proximity, HID Proximity
Product Weight	129g (4.55 oz)

sReader-s-OSDP-Encryption-BLE



Plastic Waterproof RFID Card Reader

1.ABS plus PC body, better sealing to waterproof and dustproof

2.Support 125kHz EM and HID cards, or 13.56MHz Mifare cards (including CPU cards and NFC tags)

3.Indicator and buzzer can be controlled externally to indicate the validity of card swiping

4.Adopting 6-wire system, which can be used for access controller with Wiegand interface and electric lock state feedback

5.Support access control manager(sGuard) to change the Wiegand output format and card reading type (EM, HID, EM & HID, Mifare)

6.It is the latest generation of access control card readers that supports OSDP, and the latest SIA OSDP2.2 version

7.Infrared reflection type anti-tamper alarm, which outputs an alarm signal through the OSDP and solid-state relay interface, and the buzzer emits a dedicated alarm sound

8.Supports sector encryption for Mifare Classic and Mifare Plus EV2 and Mifare DESFire EV3 cards, ensuring card security against duplication.The card UID can be output through MIFARE Classic and Mifare Plus EV2 and Mifare DESFire EV3 sector key verification

9.sReader-s-OSDP-Encryption-BLE supports virtual card numbers via Bluetooth on mobile phones, allowing easy access even without a physical card,furthermore,it can adjust machine parameters through a mobile app according to users' personalized needs, to accommodate different equipment and locations

iOS

Android

HarmonyOS

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	EM,HID card(125kHz),IC card (including Mifare and CPU card, 13.56MHz, ISO14443a)
Idle Current	≤50mA
Card Read Range	≤5cm
Environment	Conform to IP65
Communication Interface	Wiegand and RS-485 Half Duplex (OSDP)
Operating Temperature	-20~50°C (-4°F ～ 122°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	107mm x 48mm x 23mm (4.21 in x 1.89 in x 0.91 in)(HxWxD)
OSDP Baud Rate	9600, 19200, 38400, 57600, 115200bps automatic adaptation
OSDP Format	EM:24-bit, 32-bit, 40-bit Raw Bit Array format, 26-bit, 34-bit, 42-bit P/data/P format HID:Automatically output 26-37 bits P/data/P format according to the card data Mifare or NFC:24-bit, 32-bit, 56-bit, 64-bit Raw Bit Array format, 26-bit, 34-bit, 58-bit, 66-bit P/data/P format
Wiegand Format	EM:26-bit, 34-bit, 42-bit with check bit, 32-bit, 40-bit without check bit HID:Automatically output 26-37 bits according to card data Mifare or NFC:32-bit MSB, 32-bit LSB, 56-bit MSB, 56-bit LSB, 40-bit MSB, 40-bit LSB, 64-bit MSB, 64-bit LSB without check bit, 26-bit MSB, 26-bit w/Facility Code, 34-bit MSB, 37-bit LSB, HID 35-bit, HID 48-bit, 58-bit MSB, 37-bit MSB, 66-bit MSB with check bit
Read Mifare card mode	UID, UID with key or Block Data
LED indicator light color and brightness	Off or 7 colors, 21 levels of brightness
Read Mifare card key setting	6 bytes for Mifare Classic, 16 bytes for Mifare Plus EV2, 16 bytes for Mifare DESFire EV3
13.56 MHz	UID:Mifare and its compatible cards that comply with ISO14443A, including Mifare Classic, Mifare Plus, Mifare DESfire cards, NFC Sector Encryption:MIFARE Classic and Mifare Plus EV2 and Mifare DESFire EV3
125 KHz	EM Proximity, HID Proximity
2.4GHz(Bluetooth)	Users download the OSDP Reader application and use a virtual card number to unlock the door The administrator downloads the OSDP Reader Manager application to manage the parameters of the reader
Device Management	Mobile phone (Bluetooth communication)
Product Weight	129g (4.55 oz)

USB Reader



Plastic Waterproof RFID Card Reader

1.ABS+PC translucent body, hidden LED indicator, compact and textured

2.125kHz or 13.56MHz antenna, supports EM or Mifare cards

3.USB port supports plug-and-play, no external power supply required.

4.No driver installation needed; reading is stable, accurate and reliable

5.Card number input method: Each card swipe is equivalent to typing a string of card numbers from the keyboard to the document cursor

6.Supports multiple operating systems: Win XP / Win CE / Win 7 / Win 10 / Linux / Vista / Android

7.Output format: Default is 10-digit decimal (4 bytes); customized output formats are also available

SPECIFICATION

Working frequency	M:13.56Mhz EM:125kHz
Reading type	M:ISO14443A protocol such as MF\S50\S70
	EM:TK4001, EM4100 and other ID cards
Reading distance	0~80mm
Wiring Length	135cm
Working temperature	-20~70°C(-4°F ～ 158°F)
Operating Voltage	DC5V
Working current	⩽100mA
Operating system	Win XP\Win CE\Win 7\Win 10\Linux\Vista\Android
Operating Humidity	0-95% (non-condensing)
Dimension	115mm x 69.9mm x 14.5mm(4.53 in x 2.75 in x 0.57 in)(HxWxD)
Product Weight	55g(1.94 oz)

Reader 1

Access Control Card Reader



1.ABS plus PC body, better sealing to waterproof and dustproof

2.Support 125kHz EM and HID cards, or 13.56MHz Mifare cards (including CPU cards and NFC tags)

3.Customizable output format: 26-37 bit, 26 bit is default (HID card is based on card format)

4.Indicator and buzzer can be controlled externally to indicate the validity of card swiping

5.Adopting 6-wire system, which can be used for access controller with Wiegand interface and electric lock state feedback

6.Support access control manager(sGuard) to change the Wiegand output format and card reading type (EM, HID, EM & HID, Mifare)

SPECIFICATION

Material	PC+ABS
Input Voltage	DC12V±10%
Idle Current	⩽35mA
Card Reading Type	125kHz: EM/HID 13.56MHz: MF/CPU/NFC (ISO14443A)
Reading Card Distance	125KHz: ⩽5cm 13.56MHz: ⩽2cm
Output Format	Wiegand 26-37 bit (default wiegand 26 bit, customized other format, HID card output wiegand 26-37 automatically.)
Environment	Conform to IP65
Wiring length	50cm
Working Temperature	-20~50° C(-4°F ～ 122°F)
Working Humidity	0~95% (non-condensing)
Product Dimension	150mm x 30mm x 20mm(5.91 in x 1.18 inx 0.79 in)(HxWxD)
Product Weight	82g(2.89 oz)

BC-2000

Metal Non-Waterproof Standalone Access Control



1.Metal structure, explosion-proof

2.Supports 125 kHz EM cards

3.User capacity: up to 1,000 users. Each user can have one card and one 4-6 digit PIN

4.Relay output for unlocking, with 1A load capacity

5.Additional functions: anti-tamper, door contact, appliance switch, and safe

6.mode configuration

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	125kHz EM
Reader Induction Time	⩽0.1s
Adjustable Door Relay Time	1-99s
Idle Current	⩽20mA
Card Read Range	3-6cm
Wiring Length	30cm
Lock Output Load	3A
Alarm Output Load	3A
Antistatic interference	15KV
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	128mm x 82mm x 28mm (5.04 in x 3.23 in x 1.10 in)(HxWxD)
Product Weight	457g (16.12 oz)

W3-A

Metal Waterproof Keypad & RFID Access Control/Reader





1.Metal structure, anti-vandal, more secure, waterproof design

2.Protective properties: IP65 fully-potted

3.Backlight keypad

4.Two-relay operation

5.Pulse mode, toggle mode

6.Up to 1,200 users (Zone 1: 1,100 users & Zone 2: 100 users)

7.Supports 3 access modes: Card, PIN, Card+PIN

8.Card Type: 125kHz EM, PIN length: 4-6 digits

9.Supports doorbell connection (Zone 2)

10.Very low power consumption (⩽35mA), long service life and stable performance

11.Ideal for high-security applications: warehouses, banks, prisons, etc.

12.High speed search: when filled with 1,200 users, the search time < 0.1 seconds

13.With anti-tamper alarm function and anti-static interference 15kV

SPECIFICATION

Operating Voltage Range	DC12V±10%
Support 3 Modes Access	Card, PIN, Card+PIN
User Capacity	Up to 1,200 users (Zone 1:1,100 users & Zone 2:100 users)
Card Type	125kHz EM
Reader Induction Time	≤0.1s
Adjustable Door Relay Time	1-99s
Idle Current	≤35mA
Card Read Range	2-6cm
Environment	Conform to IP65
Wiring Length	90-100cm
Lock Output Load	1A
Alarm Output Load	1A
Antistatic interference	15KV
Operating Temperature	-40~60℃ (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	128mm x 82mm x 28mm (5.04 in x 3.23 in x 1.10 in) (HxWxD)
Product Weight	563g (19.86 oz)

W3-B

Metal Waterproof Standalone Access Control/Reader



1.Metal structure, anti-vandal, more secure, waterproof design

2.Backlight keypad, convenient for operating at night

3.Large capacity: 2,500 users

4.Supports 3 access modes: Card, PIN, Card+PIN

5.Card Type: 125kHz EM, PIN length: 4 digits

6.Operating Voltage:DC12V

7.Very low power consumption (≤35mA), long service life and stable performance

8.Machine code setting: 0-255 can be set as facility codes

9.High speed search: when filled with 2,500 users, the search time < 0.1s

10.Management cards: management cards can add/delete users directly, very convenient

11.Wiegand 26 input & output, can work as Wiegand reader/controller

12.Protective Properties: IP65 fully-potted. With anti-disassembly, alarm function,and anti-static interference 15kV

SPECIFICATION

Operating Voltage Range	DC12V±10%
Communication interface	Wiegand 26 bit
Card Type	125kHz EM
Reader Induction Time	≤0.1s
Adjustable Door Relay Time	1-99s
Idle Current	≤35mA
Card Read Range	3-6cm
Environment	Conform to IP65
Wiring Length	90-100cm
Lock Output Load	2A
Alarm Output Load	3A
Antistatic interference	15KV
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	128mm x 82mm x 28mm(5.04 in x 3.23 in x 1.10 in) (HxWxD)
Product Weight	563g (19.86 oz)

W3-C

Metal Waterproof Keypad & RFID Access Control/Reader



1.Metal structure, anti-vandal, more secure , waterproof design
2.Backlight keypad, convenient for operating in night
3.Large capacity: 2,000 users
4.Support 3 Modes Access: Card, PIN, Card+PIN.
5.Card Type: 125kHz EM, PIN length: 4~8 digits.
6.Operating Voltage: DC12V
7.Very low power consumption (⩽35mA), long service life and stable performance
8.High speed search: filled with 2,000 users, the search time < 0.1s
9.Manage cards: the manage cards can add/delete the users directly, very convenient
10.Wiegand 26 input & output, can work as Wiegand reader/Controller
11.Protective Properties: IP65 fully-potted. With anti-disassemble, alarm function, anti-static interference 15KV

SPECIFICATION

Operating Voltage Range	DC12V±10%
Communication interface	Wiegand 26 bit
Card Type	125kHz EM
Reader Induction Time	⩽0.1s
Adjustable Door Relay Time	1-99s
Idle Current	⩽35mA
Card Read Rang	3-6cm
Environment	Conform to IP65
Wiring Length	90-100cm
Lock Output Load	2A
Alarm Output Load	3A
Antistatic interference	15KV
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	128mm x 82mm x 28mm(5.04 in x 3.23 in x 1.10 in) (HxWxD)
Product Weight	563g (19.86 oz)

W3-H

Metal Waterproof Keypad & RFID Access Control/Reader



1.Metal structure,anti-vandal,safe,waterproof design
2.Pulse mode, toggle mode
3.Large capacity: 2,000 users
4.Support 3 Modes Access:Card,PIN,Card+PIN
5.Card Type:125KHz HID card,PIN length : 4-8 digits
6.Very Low Power Consumption(⩽35mA),long service life and stable performance
7.Application in High-Security Places: warehouses,banks,prisons,etc
8.High speed search: filled with 2,000 users, the search time< 0.1 seconds
9.Backlight keypad
10.With manager cards for adding or deleting card user easily
11.Wiegand 26-37 bit input & output, can be programmed
12.Support door bell connection(Zone 2)
13.Protective Properties: IP65 fully-potted
14.With anti-disassemble, alarm function, anti-static interference 15KV

SPECIFICATION

Operating Voltage Range	12-18V AC/12-24V DC
Card Type	125kHz HID
Wiegand Interface	Wiegand 26-37 bit
Reader Induction Time	⩽0.1s
Adjustable Door Relay Time	1-99s
Idle Current	⩽35mA
Card Read Rang	3-6cm
Environment	Conform to IP65
Wiring Length	90-100cm
Lock Output Load	2A
Alarm Output Load	3A
Antistatic interference	15KV
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	128mm x 82mm x 28mm(5.04 in x 3.23 in x 1.10 in) (HxWxD)
Product Weight	576g (20.32 oz)

W4

Metal Waterproof Keypad & RFID Access Control/Reader



1.Metal structure,anti-vandal,safe,waterproof design
2.Pulse mode, toggle mode
3.2,100 users + 10 group Anti-duress PIN/Card (Zone 1: 2,000+Zone 2:100)
4.Support 3 Modes Access:Card,PIN,Card+PIN
5.Card Type:125kHz EM & HID card,PIN length:4-8 digits
6.Very Low Power Consumption(⩽35mA),long service life and stable preformance
7.Application in High-Security Places: warehouses,banks,prisons,etc
8.High speed search: filled with 2,100 users, the search time< 0.1 seconds
9.Backlight keypad
10.With manager cards for adding or deleting card user easily
11.Wiegand 26-37 bit input & output, can be programmed
12.Support door bell connection(Zone 2)
13.Protective Properties: IP65 fully-potted
14.With anti-disassemble, alarm function, anti-static interference 15KV

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	125kHz EM & HID
Wiegand Interface	Wiegand 26-37 bit
Reader Induction Time	⩽0.1s
Adjustable Door Relay Time	1-99s
Idle Current	⩽35mA
Card Read Rang	2-6cm
Environment	Conform to IP65
Wiring Length	90-100cm
Lock Output Load	1A
Alarm Output Load	1A
Antistatic interference	15KV
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	128mm x 82mm x 28mm(5.04 in x 3.23 in x 1.10 in) (HxWxD)
Product Weight	573g (20.21 oz)

B6K2-EH/B6K2-M

Waterproof Keypad Controller / Card Reader For Double Doors



1.Option for 125 kHz's EM& HID card

2.Option for 13.56MHz's IC&CPU card

3.Optional for metal backlit keypad or infrared keypad

4.Double-doors controller can be set to Reader mode, Interlock mode and demo mode

5.Specific reader mode that customer can set output format

6.Support Card and PIN, Multi-cards to open the door

7.Support Super-open-card and Super-open-password to open door

8.Support Add-card, Delete-card, Anti-duress-card, Authorization-card, and Normal-open card operation

9.Support admin password card operation, for quick access to the management menu

10.The user card capacity up to 20,000, the admin card capacity up to 21

11.Support Set-card operation, for quick access to the management menu

12.The "#" key can be used as doorbell button

13.In Reader mode, the red and green LED indicator can be controlled externally

14.Self-adaption infrared Anti-tamper detection technology. Controller can alarm 24/7 and it will not be affected by visible light interference

15.Unlocking signal output by NO, NC, COM relay

16.Alarm and doorbell signal output by MOS and it can be the driver of the alarm or the doorbell

SPECIFICATION

Operating Voltage Range	DC10-28V
Card Type	125kHz EM & HID/13.56MHz Mifare
Wiegand Interface	26-66bit
Idle Current	⩽35mA
Card Read Range	⩽5cm
Environment	Conform to IP65
Wiring Length	50cm
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	128mm x 82mm x 28mm(5.04 in x 3.23 in x 1.10 in) (HxWxD)
Product Weight	534g (18.84 oz)

B6K-EH/B6K-M

Metal Waterproof Keypad & RFID Access Control/Reader



1.Option for 125 kHz's EM& HID card
2.Option for 13.56MHz's IC&CPU card
3.Optional for metal backlit keypad or infrared keypad
4.Single-door controller can be set to Reader mode, Interlock mode and demo mode
5.Specific reader mode that customer can set output format
6.Support Card and PIN, Multi-cards to open the door
7.Support Super-open-card and Super-open-password to open door
8.Support Add-card, Delete-card, Anti-duress-card, Authorization-card, and Normal-open card operation
9.Support admin password card operation, for quick access to the management menu
10.The user card capacity up to 20,000, the admin card capacity up to 21
11.Support Set-card operation, for quick access to the management menu
12.The "#" key can be used as doorbell button
13.In Reader mode, the red and green LED indicator can be controlled externally
14.Self-adaption infrared Anti-tamper detection technology. Controller can alarm 24/7 and it will not be affected by visible light interference
15.Unlocking signal output by NO, NC, COM relay
16.Alarm and doorbell signal output by MOS and it can be the driver of the alarm or the doorbell

SPECIFICATION

Operating Voltage Range	DC10-28V
Card Type	125kHz EM & HID/13.56MHz Mifare
Wiegand Interface	26-66bit
Idle Current	⩽35mA
Card Read Range	⩽5cm
Environment	Conform to IP65
Wiring Length	50cm
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	128mm x 82mm x 28mm(5.04 in x 3.23 in x 1.10 in) (HxWxD)
Product Weight	534g (18.84 oz)



K2

Metal Standalone Non-Waterproof Access Control

1.Metal structure, explosion-proof

2.Supports 125 kHz EM cards

3.User capacity: up to 1,000 users. Each user can have one card and 4-6 digits PIN

4.Additional functions: anti-tamper, door contact, appliance switch and safe mode configuration

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	125kHz EM
Reader Induction Time	⩽0.1s
Adjustable Door Relay Time	1-99s
Idle Current	⩽20mA
Card Read Range	3-6cm
Lock Output Load	1A
Alarm Output Load	3A
Antistatic interference	15KV
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	135mm x 58mm x 26mm(5.32 in x 2.28 in x 1.02 in) (HxWxD)
Product Weight	418g (14.74 oz)

W1-A

Metal Waterproof Keypad & RFID Access Control for Two Doors





1.Metal structure, anti-vandal, more secure, waterproof design

2.Protective properties: IP65 fully-potted

3.Backlight keypad

4.Two-relay operation

5.Pulse mode, toggle mode

6.Up to 1,200 users (Zone 1: 1,100 users & Zone 2: 100 users)

7.Support 3 Modes Access: Card, PIN, Card+PIN

8.Card Type: 125kHz EM, PIN length: 4-6 digits

9.Operating Voltage: DC12V

10.Support door bell connection (Zone 2)

11.Very low power consumption (⩽35mA), long service life and stable performance

12.Application for High-Security Places: warehouses, banks, prisons, etc

13.High Speed Search: filled with 1,200 users, the search time < 0.1 seconds

14.With anti-tamper alarm function, anti-static interference 15KV

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	125kHz EM
Reader Induction Time	≤0.1s
Adjustable Door Relay Time	1-99s
Idle Current	≤35mA
Card Read Range	2-6cm
Environment	Conform to IP65
Wiring Length	90-100cm
Lock Output Load	1A
Alarm Output Load	1A
Antistatic interference	15KV
Operating Temperature	-40~60℃ (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	135mm x 58mm x 26mm (5.32 in x 2.28 in x 1.02 in) (HxWxD)
Product Weight	517g (18.24 oz)

W1-B

Metal Waterproof Keypad & RFID Access Control/Reader



1.Metal structure, anti-vandal, more secure, waterproof design

2.Backlight keypad, convenient for operating at night

3.Large capacity: 2,500 users

4.Supports 3 access modes: Card, PIN, Card+PIN

5.Card Type: 125kHz EM, PIN length: 4 digits

6.Operating Voltage: DC12V

7.Machine code setting: 0-255 can be set as facility codes

8.High-speed search: with 2,500 users loaded, search time < 0.1s

9.Wiegand 26 input & output, can work as Wiegand reader/controller

10.Protective Properties: IP65 fully-potted. With anti-tamper, alarm function and 15KV anti-static interference protection

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	125kHz EM
Communication interface	Wiegand 26 bit
Reader Induction Time	⩽0.1s
Adjustable Door Relay Time	1-99s
Idle Current	⩽35mA
Card Read Rang	3-6cm
Environment	Conform to IP65
Wiring Length	90-100cm
Lock Output Load	1A
Alarm Output Load	3A
Antistatic interference	15KV
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	135mm x 58mm x 26mm(5.32 in x 2.28 in x 1.02 in) (HxWxD)
Product Weight	525g (18.52 oz)

W1-C

Metal Waterproof Keypad & RFID Access Control/Reader



1.Metal structure, anti-vandal, more secure , waterproof design

2.Backlight keypad, convenient for operating in night

3.Large capacity: 2,000 users

4.Support 3 Modes Access: Card, PIN, Card+PIN

5.Card Type: 125kHz EM, PIN length: 4~8 digits

6.Operating Voltage: DC12V

7.Very low power consumption (⩽35mA), long service life and stable performance

8.High speed search: filled with 2,000 users, the search time < 0.1s

9.Manage cards: the manage cards can add/delete the users directly, very convenient

10.Wiegand 26 input & output, can work as Wiegand reader/Controller

11.Protective Properties: IP65 fully-potted. With anti-disassemble, alarm function, anti-static interference 15KV

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	125kHz EM
Communication interface	Wiegand 26 bit
Reader Induction Time	⩽0.1s
Adjustable Door Relay Time	1-99s
Idle Current	⩽35mA
Card Read Range	3-6cm
Environment	Conform to IP65
Wiring Length	90-100cm
Lock Output Load	1A
Alarm Output Load	3A
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	135mm x 58mm x 26mm(5.32 in x 2.28 in x 1.02 in) (HxWxD)
Product Weight	525g (18.52 oz)

R3-K H&EM/R3-K M

Metal Waterproof Keypad Reader



1.Metal shell, waterproof, fully potted, complies with IP65

2.Support Card: 125 kHz HID&EM Card/13.56MHz IC&CPU(ISO14443A)

3.Backlit keypad

4.Supports single-key 4-bit, 8-bit and 4-6 digits PIN output

5.Additional functions: anti-tamper, built-in buzzer

6.Suitable for warehouses, banks, prisons, etc

SPECIFICATION	R3-K H&EM	R3-K M
Operating Voltage Range	DC12V	DC12V
Card Type	125 kHz HID&EM	13.56MHz IC&CPU
Wiegand Interface	Wiegand 26-37 bit	Wiegand 26-37 bit
Idle Current	⩽30mA	⩽20mA
Card Read Range	3-6cm	2-6cm
Environment	Conform to IP65	Conform to IP65
Wiring Length	90-100cm	90-100cm
Operating Temperature	-40~60°C (-40°F~140°F)	-20~60°C (-4°F~140°F)
Operating Humidity	0-95% (non-condensing)	0-95% (non-condensing)
Dimensions	128mm x 82mm x 28mm (5.04 in x 3.23 in x 1.10 in)(HxWxD)	128mm x 82mm x 28mm (5.04 in x 3.23 in x 1.10 in)(HxWxD)
Product Weight	545g (19.22 oz)	537g (18.94 oz)



R4-K H&EM

Metal Waterproof Keypad Reader

1.Metal shell, waterproof, fully potted, conforms to IP65

2.Support Card: 125kHz EM & HID

3.Backlit keypad

4.Support single key 4bit, 8bit and 4-6 digits PIN output

5.Additional functions: anti-tamper, built-in buzzer

6.Suitable for warehouse, bank, prison etc

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	125kHz EM & HID
Wiegand Interface	Wiegand 26-37 bit
Reader Induction Time	≤0.1s
Idle Current	≤30mA
Card Read Range	3-6cm
Environment	Conform to IP65
Wiring Length	90-100cm
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	135mm x 58mm x 26mm (5.32 in x 2.28 in x 1.02 in) (HxWxD)
Product Weight	502g (17.71 oz)



R3-H&EM/R3-M

Metal Waterproof Card Reader

1.Appearance: Metal structure, safe, anti-vandal

2.Support Card: 125 kHz EM&HID Card/13.56MHz IC&CPU Card

3.Output Format: 26-37 bit, 26 bit is the factory default setting

4.Ultra-low Power Consumption: ⩽30 mA

5.Protective Performance: IP65 (fully-potted), tamper alarm

6.Suitable for: warehouses, banks, prisons, etc

SPECIFICATION

Operating Voltage Range	DC12V	DC12V
Card Type	125 kHz EM&HID	13.56 MHz IC&CPU
Wiegand Interface	Wiegand 26-37 bit	Wiegand 26-37 bit
Idle Current	⩽30mA	⩽30mA
Card Read Range	3-6cm	3-6cm
Environment	Conform to IP65	Conform to IP65
Wiring Length	90-100cm	90-100cm
Antistatic interference	15KV	15KV
Operating Temperature	-40~60°C (-40°F~140°F)	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)	0-95% (non-condensing)
Dimensions	128mm x 82mm x 28mm	128mm x 82mm x 28mm
	(5.04 in x 3.23 in x 1.10 in)(HxWxD)	(5.04 in x 3.23 in x 1.10 in)(HxWxD)
Product Weight	503g (17.74 oz)	503g (17.74 oz)

R4-M/R4-H&EM



Metal Waterproof Card Reader

1.Appearance: Metal structure, safe, anti-vandal

2.Supported Card: 13.56MHz Mifare card/125kHz EM&HID cards

3.Output Format: 26-37 bit, 26 bit is the factory default setting

4.HID Card Usage: The reader can identify the format of HID cards and output automatically

5.Ultra-low Power Consumption: ⩽30mA

6.Protective Performance: IP65 (fully-potted), tamper alarm

7.Suitable for: storage facilities, banks, prisons, etc

SPECIFICATION

	R4-M	R4-H&EM
Operating Voltage Range	DC12V±10%	DC12V±10%
Card Type	13.56MHz Mifare	125kHz EM&HID
Wiegand Interface	Wiegand 26-37 bit	Wiegand 26-37 bit
Idle Current	⩽30mA	⩽30mA
Card Read Range	3-6cm	3-6cm
Environment	Conform to IP65	Conform to IP65
Wiring Length	90-100cm	90-100cm
Operating Temperature	-40~60°C (-40°F~140°F)	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)	0-95% (non-condensing)
Dimensions	135mm x 58mm x 26mm (5.32 in x 2.28 in x 1.02 in) (HxWxD)	135mm x 58mm x 26mm (5.32 in x 2.28 in x 1.02 in) (HxWxD)
Product Weight	487g (17.18 oz)	487g (17.18 oz)

mKey

Metal Non-Waterproof Standalone Access Control



1.1000 user cards bound with 1000 user passwords, and the user can modify password by himself
2.Opening method: card, card + PIN, card or PIN, PIN
3.Opening time: 50mS, 1-98 seconds for normal mode, 99 seconds for switch mode
4.Electric lock mode: power-on unlocking (such as electric rim lock, electric strike), power-off unlocking (such as electric bolt, magnetic lock)
5.Built-in high-current MOS tube, can directly drive the electric lock, and can resist strong magnetic unlocking
6.Safe mode can be set: 10 times invalid card or password will automatically lock the machine for 10 minutes
7.Can connect with an exit button, convenient to open the door from inside
8.Safety screw at the bottom can prevent malicious destroy

SPECIFICATION

Operating Voltage Range	DC12±2V
Card Type	125kHz EM
Adjustable Door Relay Time	1-99s
Static Current	⩽20mA
Card Read Range	5cm
Wiring Length	30cm
Lock Output Load	3A
Alarm Output Load	3A
Operating Temperature	-20~50°C (-4°F~122°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	105mm x 70mm x 20mm (4.13 in x 2.76 in x 0.79 in)(HxWxD)
Product Weight	302g (10.65 oz)

Q3

Standalone Non-Waterproof Plastic Keypad Access Control



1.Use RFID to open door, fashion, security and reliability

2.Can be used for controller and reader, freely switch, easily operate

3.Clear and beautiful luminous keypad, convenient for user to enter password & open door

4.With door bell button, convenient for visitor

5.500 pcs user capacity, suitable for office, villa and household use etc

6.Wiring is very simple: can be done by users without professional knowledge; can be connected with various electric lock and no need to change external wiring

7.Every user can change the password without master

8.Password is 4-6 digits, more security

9.Multiple output format of pressing key, can work with types of controller

10.Anti-vandal, door magnetic detection alarm function

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	125kHz EM
Wiegand Interface	Wiegand 26
Idle Current	≤20mA
Card Read Range	5-8cm
Lock Output Load	≤3A
Door bell output load	≤10mA
Output format of pressing one key	4bit, 8bit
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	130mm x 75mm x 17mm(5.12 in x 2.95 in x 0.67 in) (HxWxD)
Product Weight	113g (3.99 oz)

R1-H&EM&M



Frosted Surface Waterproof Card Reader

1.Appearance: Plastic matte technology, durable

2.Support Card: 125 kHz HID cards & 13.56MHz

3.Output Format: 26-37 bit, 26 bit is the factory default setting

4.Ultra-low Power Consumption: ⩽30 mA

5.Built-in light-dependent resistor

6.Protective Performance: IP65 (fully-potted), tamper alarm

SPECIFICATION

Operating Voltage Range	DC 12V±10%
Card Type	125 kHz EM & HID card & 13.56MHz
Wiegand Interface	Wiegand 26-37 bit
Idle Current	⩽30mA
Card Read Range	4-10cm
Environment	Conform to IP65
Wiring Length	90-100cm
Operating Temperature	-20~60°C (-4°F~140°F)
Operating Humidity	0-99% (non-condensing)
Dimensions	120mm x 85mm x 22mm (4.72 in x 3.35 in x 0.87 in)(HxWxD)
Product Weight	245g (8.64 oz)

R1-H&EM



Frosted Surface Waterproof Card Reader

1.Appearance: Plastic matte technology, durable

2.Support Card: 125 kHz HID cards

3.Output Format: 26-37 bit, 26 bit is the factory default setting

4.Ultra-low Power Consumption: ⩽30 mA

5.Built-in light-dependent resistor

6.Protective Performance: IP65 (fully-potted), tamper alarm

SPECIFICATION

Operating Voltage Range	DC 12V±10%
Card Type	125 kHz EM & HID card
Wiegand Interface	Wiegand 26-37 bit
Idle Current	⩽30mA
Card Read Range	4-10cm
Environment	Conform to IP65
Wiring Length	90-100cm
Operating Temperature	-20~60°C (-4°F~140°F)
Operating Humidity	0-99% (non-condensing)
Dimensions	120mm x 85mm x 22mm (4.72 in x 3.35 in x 0.87 in)(HxWxD)
Product Weight	239g (8.43 oz)

W2-A

Frosted Surface Waterproof Access Control/Reader



1.Compact, stylish appearance design, plastic matte technic

2.Large Capacity: 10,000 users. Support adding 9999 cards with serial numbers once

3.EM & HID Card Support (125kHz)

4.Waterproof: Fully Potted, Conf to IP65

5.User Friendly: with the manager card, can add/delete the users directly

6.Infrared remote control keyboard operation

7.NMOS with heavy current drives the electric lock directly, prevent unlocking by magnetic illegally, and lock type can be set by software

8.Additional functions: anti-tamper, door magnetic, safe mode set, inter-locked and anti-passback

SPECIFICATION

Operating Voltage Range	DC12V±10%
Card Type	125 kHz EM&HID
Wiegand Interface	Wiegand 26
Idle Current	⩽15mA
Card Read Range	3-8cm
Environment	Conform to IP65
Manager Card	2Pcs
Lock MAX Output Load	3A
Alarm MAX Output Load	3A
Antistatic interference	15KV
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	103mm x 48mm x 23mm (4.06 in x 1.89 in x 0.91 in)(HxWxD)
Product Weight	146g (5.15 oz)

R2-M/R2-H&EM

Frosted Surface Waterproof Card Reader



1.Appearance: Plastic matte technology, durable

2.Support Card: 13.56 MHz IC&CPU cards/125 kHz EM&HID

3.Output Format: 26-37 bit, 26 bit is the factory default setting

4.Ultra-low Power Consumption: ⩽30 mA

5.Built-in light-dependent resistor

6.Protective Performance: IP65 (fully-potted), tamper alarm

7.Certification: CE

SPECIFICATION

	R2-M	R2-H&EM
Operating Voltage Range	DC 12V±10%	DC 12V±10%
Card Type	13.56 MHz IC&CPU card	125 kHz EM&HID
Wiegand Interface	Wiegand 26-37 bit	Wiegand 26-37 bit
Idle Current	⩽20mA	⩽30mA
Card Read Range	2-6cm	3-6cm
Environment	Conform to IP65	Conform to IP65
Wiring Length	90-100cm	90-100cm
Operating Temperature	-20~60°C (-4°F~140°F)	-20~60°C (-4°F~140°F)
Operating Humidity	0-95% (non-condensing)	0-95% (non-condensing)
Dimensions	103mm x 48mm x 23mm	103mm x 48mm x 23mm
	(4.06 in x 1.89 in x 0.91 in)(HxWxD)	(4.06 in x 1.89 in x 0.91 in)(HxWxD)
Product Weight	136g (4.8 oz)	136g (4.8 oz)



K4-2

Plastic Standalone Non-Waterproof Keypad Access Control

1.Ultra-low power consumption, with a standby current of 14±5 mA

2.Anti-magnetic interference

3.User Capacity: 2,000 users

4.3 access modes: Card, PIN, Card + PIN

5.Can be used as a standalone keypad

6.Can be used as a Wiegand reader

7.Two K4-2 units can be interconnected to increase user capacity to 4,000

8.Two K4-2 units can be interlocked

SPECIFICATION

Operating Voltage Range	DC12V±5%
Card Type	125kHz EM
Wiegand Interface	Wiegand 26
Idle Current	≤14±5mA
Card Read Range	5-10cm
Wiring Length	30cm
Lock Output Load	3A
Alarm Output Load	3A
Operating Temperature	-40~60°C (-40°F~140°F)
Operating Humidity	0-95% (non-condensing)
Dimensions	120mm x 50mm x 27mm (4.72 in x 1.97 in x 1.06 in)(HxWxD)
Product Weight	84g (2.96 oz)



BRS-01 / BRS-02

Rain shield

ABS plastic cover and rubber blanket	
Applicable models of BRS-01	F007-II / F007EM-II
Applicable models of BRS-02	BC-2000
Dimension	150mm x 104mm x 90mm (5.91 in x 4.09 in x 3.54 in)

BRB-01

Relay switch board



Input voltage	DC 12V
Input current	⩽45mA
Contact current	5A
Output interface	NO, NC, COM
Operating temperature	-40° C ~60° C
Operating humidity	0~95%
Dimension	48mm x 26mm x 27mm (1.89 in x 1.02 in x 1.06 in)



BPS-02

Power convertor

Input voltage	AC & DC 16-28V
Output voltage	DC 12V
Output current	500mA
Operating temperature	-10° C ~55° C
Operating humidity	0~90%
Dimension	73mm x 40mm x 23mm (2.87 in x 1.57 in x 0.91 in)

sGuard



1.Display the working current of standalone access control or card reader

2.Test standalone access control and card reader, switch of access control and card reader

3.Capacitive sensing touch panel to set card reader

4.Test the function of standalone access control: exit button, door magnetic switch, unlock relay NO and NC, alarm, door bell button, etc

5.Test the function of card reader: D0, D1, LED and BZ wires

6.Set the card reader: card reading types, key and wiegand output format

7.Display card reader: wiegand output format of keys and card numbers

8.Display format of card number: switch of 10 bit and 8 bit

9.Test infrared remote controller: key code data

10.Sleep-mode: no operation after three minutes, machine will enter low power consumption status automatically

SPECIFICATION

Power supply requirements	DC12V, ⩾500mA
Static working current	⩽100mA
Working current of external access control	⩽ 200mA (over current and short circuit protection)
Accuracy of working current	±1mA
Display wiegand format	4 bit, 8 bit, 26-37 bit, 58 bit
Working temperature	-20~50°C
Working humidity	0~95% (non-condensing)
Product dimension	255mm x 170mm x 65mm(10.04 in x 6.69 in x 2.56)(HxWxD)

UReader A

Ultra-High Frequency Integrated Radio Frequency Identification Reader



1.Based on low-power, cost-effective reader module design
2.Working frequency 840~868MHz/902~928MHz (can be adjusted according to the requirements of different countries or regions)
3.Support electronic tags that comply with EPC Global UHF Class 1 Gen2/ISO 18000-6C standards
4.Support reading various sensor electronic tags such as temperature electronic tags and water dew electronic tags
5.Optimized multi-label inventory algorithm, the inventory speed of tags can reach more than 100 sheets per second
6.Work in a wide Frequency-Hopping Spread Spectrum (FHSS) or fixed frequency transmission mode
7.RF output power up to 30dBm (1dBm step adjustable)
8.Support command, polling and trigger working methods
9.Support independent and combined inventory of EPC, TID, USER data area
10.Support IAP firmware upgrade
11.Low power consumption +12V DC power supply
12.Support 4G and other wireless interfaces are optional
13.Provide demo software and SDK
14.Support the secondary development of multi-platform Windows, Android, Linux and multi-language C, C#, JAVA
15.Waterproof Grade: IP65

SPECIFICATION

Material	Aluminum
Input Voltage	DC12V
Idle Current	⩽100mA
Working Frequency	840~960MHz optional, frequency-hopping function
Antenna	Build-in 8dBi circular polarized antenna
Continuous Tag Reading Distance	⩾15m
Continuous Tag Writing Distance	⩾4m
Access Label Performance	8dBi circular polarized antenna, 30dBm output power,standard E41 test card
Tag recognition speed	⩾100pcs/s
Frequency Range	865~940MHz
Antenna	8dBi
Polarization Mode	Circular Polarization
Waterproof Grade	IP65
Dimension	190mm x 190mm x 54mm(7.48 in x 7.48 in x 2.13 in)(HxWxD)
Weight	900g (31.75 oz)
Working Temperature	-20~ 65° C
Working Humidity	<95%RH (+25° C)

UReader B

Ultra-High Frequency Integrated Radio Frequency Identification Reader



1.Based on low-power, cost-effective reader module design
2.Working frequency 840~868MHz/902~928MHz (can be adjusted according to the requirements of different countries or regions)
3.Support electronic tags that comply with EPC Global UHF Class 1 Gen2/ISO 18000-6C standards
4.Support reading various sensor electronic tags such as temperature electronic tags and water dew electronic tags
5.Optimized multi-label inventory algorithm, the inventory speed of tags can reach more than 100 sheets per second
6.Work in a wide Frequency-Hopping Spread Spectrum (FHSS) or fixed frequency transmission mode
7.RF output power up to 30dBm (1dBm step adjustable)
8.Support command, polling and trigger working methods
9.Support independent and combined inventory of EPC, TID, USER data area
10.Support IAP firmware upgrade
11.Low power consumption +12V DC power supply
12.Support USB, RS232, RS485, Wiegand, RJ45 (TCP/IP, UDP) and WIFI, 4G, and other wireless interfaces are optional
13.Provide demo software and SDK
14.Support the secondary development of multi-platform Windows, Android, Linux and multi-language C, C#, JAVA
15.Waterproof Grade: IP67

SPECIFICATION

Product Material	Aluminum
Input Voltage	DC12V
Idle Current	⩽100mA
Working Frequency	840~960MHz optional, frequency-hopping function
Antenna	Build-in 8dBi linearly polarized antenna
Continuous Tag Reading Distance	⩾8m
Continuous Tag Writing Distance	⩾4m
Access Label Performance	8dBi linearly polarized antenna, 30dBm output power,standard E41 test card
Tag recognition speed	⩾100pcs/s
Frequency Range	865~940MHz
Antenna	8dBi
Polarization Mode	Circular Polarization
Waterproof Grade	IP67
Dimension	228mm x 228mm x 68mm(8.98 in x 8.98 in x 2.68 in)(HxWxD)
Weight	1700g (59.97 oz)
Working Temperature	-20~65° C
Working Humidity	<95%RH (+25° C)

UReader C

Ultra-High Frequency Integrated Radio Frequency Identification Reader



1.Based on low-power, cost-effective reader module design
2.Working frequency 840~868MHz/902~928MHz (can be adjusted according to the requirements of different countries or regions)
3.Support electronic tags that comply with EPC Global UHF Class 1 Gen2/ISO 18000-6C standards
4.Support reading various sensor electronic tags such as temperature electronic tags and water dew electronic tags
5.Optimized multi-label inventory algorithm, the inventory speed of tags can reach more than 100 sheets per second
6.Work in a wide Frequency-Hopping Spread Spectrum (FHSS) or fixed frequency transmission mode
7.RF output power up to 30dBm (1dBm step adjustable)
8.Support command, polling and trigger working methods
9.Support independent and combined inventory of EPC, TID, USER data area
10.Support IAP firmware upgrade
11.Low power consumption +12V DC power supply
12.Support USB, RS232, RS485, Wiegand, RJ45 (TCP/IP, UDP) and WIFI, 4G, Bluetooth and other wireless interfaces are optional
13.Provide demo software and SDK
14.Support the secondary development of multi-platform Windows, Android, Linux and multi-language C, C#, JAVA

SPECIFICATION

Product Material	Aluminum
Input Voltage	DC12V
Idle Current	⩽100mA
Working Frequency	840~960MHz optional, frequency-hopping function
Antenna	Build-in 9dBi circular polarized antenna
Continuous Tag Reading Distance	⩾20m
Continuous Tag Writing Distance	⩾5m
Access Label Performance	9dBi circular polarized antenna, 30dBm output power,standard E41 test card
Tag recognition speed	⩾100pcs/s
Frequency Range	865~940MHz
Antenna	9dBi
Polarization Mode	Circular Polarization
Waterproof Grade	IP65
Dimension	305mm x 305mm x 80mm(12.01 in x 12.01 in x 3.15 in)(HxWxD)
Weight	2200g (77.6 oz)
Working Temperature	-20~65° C
Working Humidity	<95%RH (+25° C)

UReader D

Ultra-High Frequency Integrated Radio Frequency Identification Reader



1.Based on low-power, cost-effective reader module design
2.Working frequency 840~868MHz/902~928MHz (can be adjusted according to the requirements of different countries or regions)
3.Support electronic tags that comply with EPC Global UHF Class 1 Gen2/ISO 18000-6C standards
4.Support reading various sensor electronic tags such as temperature electronic tags and water dew electronic tags
5.Optimized multi-label inventory algorithm, the inventory speed of tags can reach more than 100 sheets per second
6.Work in a wide Frequency-Hopping Spread Spectrum (FHSS) or fixed frequency transmission mode
7.RF output power up to 30dBm (1dBm step adjustable)
8.Support command, polling and trigger working methods
9.Support independent and combined inventory of EPC, TID, USER data area
10.Support IAP firmware upgrade
11.Low power consumption +12V DC power supply
12.Support USB, RS232, RS485, Wiegand, RJ45 (TCP/IP, UDP) and WIFI, 4G, Bluetooth and other wireless interfaces are optional
13.Provide demo software and SDK
14.Support the secondary development of multi-platform Windows, Android, Linux and multi-language C, C#, JAVA

SPECIFICATION

Product Material	Aluminum
Input Voltage	DC12V
Idle Current	⩽100mA
Working Frequency	840~960MHz optional, frequency-hopping function
Antenna	Build-in 12dBi linearly polarized antenna
Continuous Tag Reading Distance	⩾25m
Continuous Tag Writing Distance	⩾6m
Access Label Performance	12dBi linearly polarized antenna, 30dBm output power,standard E41 test card
Tag recognition speed	⩾100pcs/s
Frequency Range	865~940MHz
Antenna	12dBi
Polarization Mode	Linear Polarization
Waterproof Grade	IP65
Dimension	445mm x 445mm x 56mm(17.52 in x 17.52 in x 2.20 in)(L×W×H)
Weight	2600g (91.71 oz)
Working Temperature	-20~55° C
Working Humidity	< 95%RH (+25° C)



EM-180KG-A01A

180kg concealed single door magnetic lock 180kg (300Lbs)

Lock body size	194mm x 34mm x 23mm (7.64 in x 1.34 in x 0.91 in)
Suction plate size	140mm x 33 mmx 11mm (5.51 in x 1.30 in x 0.43in)
Working voltage/current	DC12V/320mA
Concealed hole distance	Center 173 (L) x 19 (W) mm
Weight	1000 g(35.27 oz)

EM-180KG-A01G

180kg hanging single door magnetic lock 180kg (300Lbs)

Lock body size	168mm x 38mm x 23mm(6.61 in x 1.50 in x 0.91 in)
Suction plate size	140mm x 33mm x 11mm(5.51 in x 1.30 in x 0.43 in)
Working voltage/current	DC12V/320mA
Weight	1000 g(35.27 oz)





EM-180KG-A02GS

180kg hanging double door magnetic lock 180kg (300Lbs) x2

Lock body size	336mm x 38mm x 23mm (13.23 in x 1.50 in x 0.91 in)
Suction plate size	140mm x 33mm x 11mm (5.51 in x 1.30 in x 0.43 in)
Working voltage/current	DC12V/320mA x2
Weight	2000g (70.55 oz)



EM-280KG-A01AA

280kg concealed endless magnetic lock 280kg (600Lbs)

Lock body size	228mm x 38mm x 28mm(8.98 in x 1.50 in x 1.10 in)
Suction plate size	180 mmx 38mm x 11mm(7.09 in x 1.50 in x 0.43 in)
Working voltage/current	DC12V/350mA
Concealed hole distance	Center 210 (L) x 18 (W) mm
Weight	1850 g(65.26 oz)

EM-280KG-A01AB

280kg concealed endless magnetic lock 280kg (600Lbs)

Lock body size	258 mm x 42 mm x 28 mm(10.16 in x 1.65 in x 1.10 in)
Suction plate size	180 mm x 38 mm x 11mm(7.09 in x 1.50 in x 0.43 in)
Working voltage/current	DC12V/350mA
Concealed hole distance	Center 241 (L) x 25 (W) mm
Weight	1850 g(65.26 oz)





EM-280KG-A01

Hanging single door magnetic lock with LED 280kg (600Lbs)

Lock body size	250mm x 48mm x 27mm(9.84 in x 1.89 in x 1.06 in)
Suction plate size	180mm x 38mm x 11mm(7.09 in x 1.50 inx 0.43 in)
Maximum holding force	280 kg (600Lbs)
Working voltage/current	DC12V/350mA



EM-280KG-A02

Hanging double door magnetic lock with LED 280kg (600Lbs)

Lock body size	500mm x 48mm x 27mm(19.69 in x 1.89 in x 1.06 in)
Suction plate size	180mm x 38mm x 11mm(7.09 in x 1.50 in x 0.43 in)
Working voltage/current	DC12V/350mA
Concealed hole distance	Center 173 (L) * 19 (W) mm
Weight	3660 g(129.10 oz)

EM-320KG-A01A

320kg concealed single door magnetic lock 320kg (800Lbs)

Lock body size	252mm x 50mm x 29mm(9.92 in x 1.97 in x 1.14 in)
Suction plate size	158mm x 43mm x 11mm(6.22 in x 1.69 in x 0.43 in)
Working voltage/current	DC12V/350mA
Concealed hole distance	Center 233 (L) * 35 (W) mm
Weight	2000g (70.55 oz)





EM-320KG-A01GD

320kg hanging single door magnetic lock with LED 320kg (800Lbs)

Lock body size	240mm x 56.5mm x 29mm(9.45 in x 2.22 in x 1.14 in)
Suction plate size	158mm x 43mm x 11mm(6.22 in x 1.69 in x 0.43 in)
Working voltage/current	DC12V/350mA
Weight	2000g (70.55 oz)
EM-320KG-A01GD with light	EM-320-KG-A01KG

EM-320KG-A02G



320kg hanging double door magnetic lock with LED 320kg (800Lbs) x2

Lock body size	480mm x 56.5mm x 29mm(18.90 in x 2.22 in x 1.14 in)
Suction plate size	158mm x 43mm x 11mm(6.22 in x 1.69 in x 0.43 in) x2
Working voltage/current	DC12V/350mA x2
Weight	4000g(141.10 oz)
EM-320KG-A02-G waterproof	EM-320KG-A02-GX delay
EM-320KG-A02-GD with light	EM-320-KG-A02-GF feedback

EM-500KG-A01

Concealed single door magnetic lock 500kg (1200Lbs)

Lock body size	258mm x 65mm x 42mm(10.16 in x 2.56 in x 1.65 in)
Suction plate size	185mm x 63 mm x 16mm(7.28 in x 2.48 in x 0.63 in)
Working voltage/current	DC12V/450mA
Concealed hole distance	Center 242 (L) * 35 (W) mm
Weight	4500g (158.73 oz)



EM-500KG-A02G



Hanging double door magnetic lock 500kg (1200Lbs)X2

Lock body size	265mm x 73mm x 42mm(10.43 in x 2.87 in x 1.65 in) x2
Suction plate size	185mm x 63mm x 16mm (7.28 in x 2.48 inx 0.63 in) x2
Working voltage/current	DC12V/450mA
Weight	9000g (317.47 oz)
EM-500KG-A02-GSF	EM-500KG-A02-GSF feedback
EM-500KG-A02-GS waterproof	EM-500KG-A02-GSX delay



EM-500KG-LZ

High-strength aluminum alloy material, 500KG magnetic lock bracket for the internal door opening

Z size	185mm x 70mm x 63mm(7.28 inx 2.76 in x 2.48 in)
L size	265mm x 73mm x 45mm(10.43 in x 2.87 in x 1.77 in)
Weight	2000g (70.55 oz)

EM-180KG-U

180kg magnetic lock bracket for lower frameless glass door

Size	140mm x 33mm x 25.5mm(5.51 in x 1.30 in x 1.00 in)
Weight	250g (8.82 oz)





EM-180-LZ

180kg magnetic lock bracket for internal door opening

Z size	140mm x 36mm x 36mm(5.51 in x 1.42 in x 1.42 in)
L size	168mm x 38mm x 24mm(6.61 in x 1.50 in x 0.94 in)
Weight	350g (12.35 oz)

EM-280U320U



280/320KG magnetic lock bracket for general lower frameless glass door

Size	140mm x 33mm x 25.5mm(5.51 in x 1.30 in x 1.00 in)
Weight	350g (12.35 oz)

EM-280-LZ

280kg magnetic lock bracket for internal door opening

Z size	180mm x 50mm x 50mm(7.09 in x 1.97 in x 1.97 in)
L size	250mm x 50mm x 30mm(9.84 in x 1.97 in x 1.18 in)
Weight	640g (22.58 oz)



EM-320-L



320kg hanging magnetic lock bracket

Size	240mm x 56mm x 30mm(9.45 in x 2.20 in x 1.18 in)
Weight	250g (8.82 oz)



EM-280-LS

Multifunctional 280kg hanging magnetic lock bracket

Size	240mm x 55.5mm x 30mm(9.45 in x 2.19 in x 1.18 in)
Weight	250g (8.82 oz)

EM-280-XB

280KG magnetic lock suction plate bracket for installation on the door that is not convenient to punch

Size	183mm x 45mm x 17mm(7.20 in x 1.77 in x 0.67 in)
Weight	250g (8.82 oz)





EM-180-LZ

Lock body size	200mm x 35mm x 41mm(7.87 in x 1.38 in x 1.61 in)
Voltage	DC 12V ± 10%
Starting current	900mA
Working current	150mA
Product feature	0/3/6 seconds delay lock, feedback signal output Five-wire for delay + feedback DCS-200XF

EM Keyfob



Working frequency	125kHz
Working temperature	-30° C~80° C

Mifare Keyfob

Working frequency	13.56MHz
Working temperature	-40° C~60° C





HID Keyfob

Working frequency	125kHz
Working temperature	-30° C~80° C

BEC-20



Working frequency	125kHz / 13.56MHz, ISO14443A
Reading distance	2-5cm
Card No	10 digits
Operating temperature	-40° C ~60° C
Dimension	∮ 65mm(2.56 in), ∮ 74mm(2.91 in)

BEC-24

Working frequency	125kHz
Reading distance	2-5cm
Card No	10 digits
Operating temperature	-40° C ~60° C (-40~140° F)
Dimension	35mm x 25mm x 5mm(1.38 in x 0.98 in x 0.2 in)





EM01A (EM thin card)

Working frequency	125kHz
Working temperature	-20° C~60° C



EM01B (EM thick card)

Working frequency	125kHz
Working temperature	-20° C~60° C

HID 01A (HID thin card)



Working frequency	125kHz
Working temperature	-20° C~60° C



HID 01B (HID thick card)

Working frequency	125kHz
Working temperature	-20° C~60° C



Multi-card

Working frequency	125kHZ,13.56MHZ
Dimension	85.5mm x 54mm x 0.8mm(3.37 in x 2.13 in x 0.03 in)
Working temperature	-20° C~60° C

MF01A (Mifare thin card)

Working frequency	13.56MHZ
Communication protocol	ISO14443A
Dimension	85.5mm x 54mm x 0.8mm(3.37 in x 2.13 in x 0.03 in)
Memory	1K
Sector	0-15 16 sectors





MF01B (Mifare thick card)

Working frequency	13.56MHZ
Communication protocol	14443A
Dimension	85.5mm x 54mm x 0.8mm(3.37 in x 2.13 in x 0.03 in)
Memory	1K
Sector	0-15 16 sectors

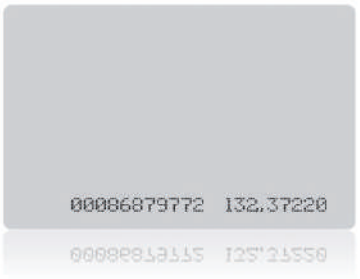


BEC-01

Working frequency	125kHz
Reading distance	2-10cm
Card No	10+8 digits
Operating temperature	-40° C ~60° C
Dimension	85mm x 54mm x 1.8mm (3.35 in x 2.13 in x 0.07 in)

BEC-02

Working frequency	125kHz
Reading distance	2-10cm
Card No	10+8 digits
Operating temperature	-40° C ~60 ° C
Dimension of Thick EM Card	85mm x 54mm x 0.8mm (3.35 in x 2.13 in x 0.03 in)



BPS-06

Access control power supply

Metal structure
Pure copper high frequency coil
Smart circuit board
Delay adjustment
Pluggable port



Specification

Product name	Power supply
Model	H3A01
Input voltage	12V
Input current	3A
Dimension	104mm x 68mm x 32mm(4.09 in x 2.68 in x 1.26 in)
Weight	400g (14.11 oz)

BPS-01



Access control power supply

Surface paint and metal structure
Opto-isolator input +12V and 0V to trigger the lock
Short circuit current to earth of PUSH port triggers the lock
Support both fail safe and fail secure port

Input voltage	AC 220V±10% 50Hz
Output voltage	DC 12V/3A
Unlock current	⩽2A
Unlock delay time	0~15s
Operating temperature	-10° C ~55° C (-14~131° F)
Operating humidity	0~90%
Dimension	182mm x 82mm x 73mm (7.17 in x 3.23 in x 2.87 in)



DISCIPLINE PRODUCT

mReader

Card reader

DESIGN
Sebury Technology Co., Ltd
Shenzhen, China

CLIENT / MANUFACTURER
Sebury Technology Co., Ltd
Shenzhen, China

Jury

Elina Aalto | Chris Alt | Burak Altinordu | Keiji Ashizawa | Ceren Bagatar | Karo Berndt | Michal Bonikowski | Dave Brown | Shikuan Chen | Edward Chiang | Paul Cohen | Sonja Cornelißen | Christophe de la Fontaine | Clara del Portillo | Barbara Delucca | Christian Doering | Bern Donadeu | Elísabet Elfa | Carsten Eriksen | Susanne Ewert | Friederike Faller | Fritz Frenkler | Bärbel Fritz | Thorsten Fritze | Niklas Galler | Diogo Gama Rocha | Manuel Gattinger | Roman Gebhard | Oliver Gerstheimer | Gyeongguk Grey Choe | Sascha Hanke | Tom Hirt | Kyle (Ming Kai) Hsiao | Ronald Ihrig | Masazumi Imai | Henrik Jeppesen | Charles O. Job | Dorothé Kessels | Hyoeun Kim | Matthias Kindler | Fabian Königer | Karen Korellis-Reuther | Henk Kosche | Karsten Küber | Michael Lanz | Kristiina Lassus | Isabelle Lidström | Dagmar Loewke | Sebastian Maier | Bettina Maisch | Peter Martin | Martina Merz | Nils Holger Moormann | Achim Nagel | Praveen Nahar | Maria Navarro | Mauricio Noronha | Fabio Olivotti | Marco Paolelli | Thomas Paulen | Roger Pin-Sin Lin | Friederike Plock-Girmann | Achim Pohl | Ana Relvão | Reinhard Renner | Robert Sachon | Linda Schmidt | Michael Seum | Bongkyu Song | Anne Stallkamp | Naoki Terada | Alex Terzariol | Katja Thielen | Niko von Saurma | Wolfgang Wagner | Jutta Werner | Matthias Willner | Irmy Wilms-Haverkamp

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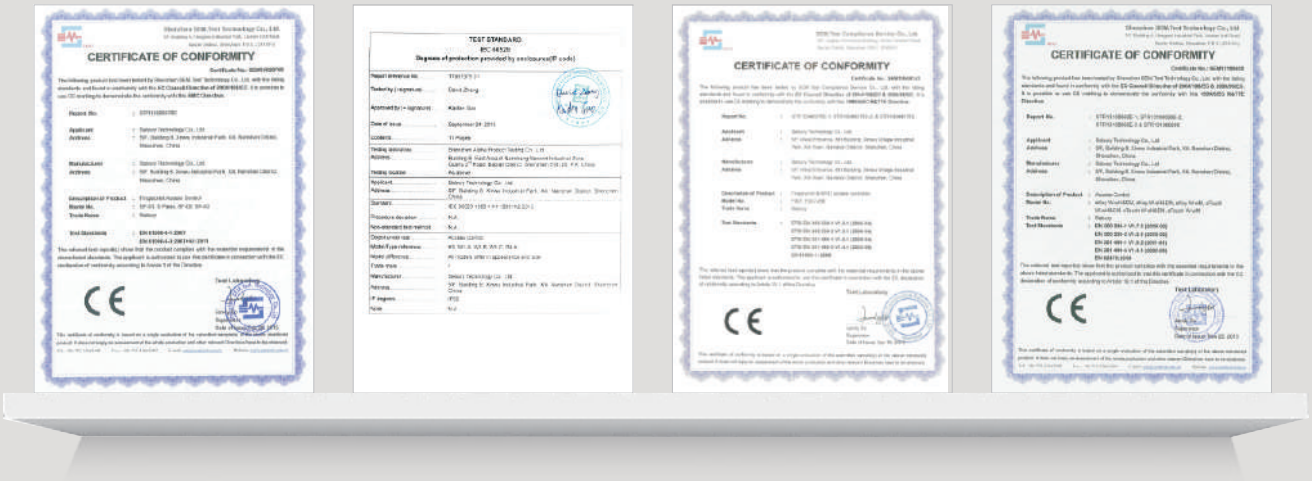
Honors and Qualifications

Most stable design, most reliable guarantee

- Design Patent Certificate
- ISO 9001:2008
- CE Certificate
- IP65 Report







High Quality Strict CheckK

Our demanding product performance standards can meet your pursuit of high-quality products

The Adoption of Advanced Management System:

- ERP Management System
- Strict Implementation of International Quality Management System
- EU CE and Many Other National and International Standards

Five Detection and Control:

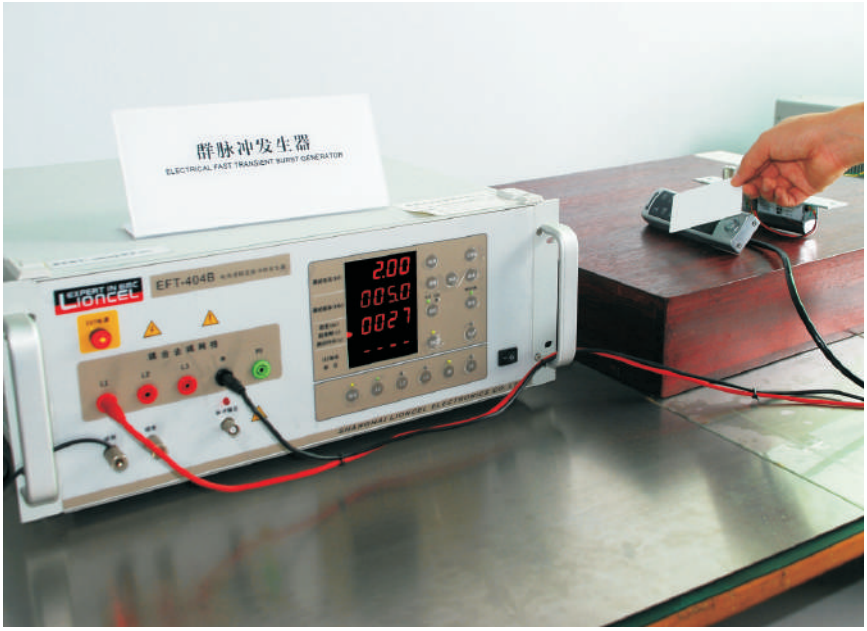
- Incoming Inspection
- Semi Detection
- Online Testing
- Test Frame Detection
- Aging Testing

1. Lightning Surge Generator
2. Electrostatic Immunity Tester
3. Electrical Fast Transient Burst Generator
4. Hi-pot Tester
5. Salt Spray Test Machine
6. Programmable Temper Ature And Humidity Tester

Eight Test Means:

- High Temperature Test
- Low Temperature Test
- Temperature Test
- Salt Spray Test
- Pressure Test
- Group Pulse Test
- Electrostatic Discharge Test
- Lightning Surge Test













Sebury®

Smart Access Control Manufacturer

Tel: +86 755 86951020
Email: sales@sebury.com.cn
Website: www.sebury.com
Add: Floor 5, Building 20, North district, Liuxiandong Industrial Park, Xili, Nanshan district, Shenzhen, China