

Wireless Reader

Waterproof



WR1

Features:

- 433MHz Rolling Code technology
- Card type: 13.56MHz Mifare card or 125KHz EM card
- Programmable Wiegand output of the receiver: 26 bits or 34 bits
- Communication distance: 30m max
- Ultra low power consumption
- Waterproof, conforms to IP65
- Operating Temperature -20°C~+60°C (-4°F~+140°F)

Application



Operating Voltage	3 units of AAA batteries
Frequency	433MHz
Card Type	13.56MHz Mifare card or 125KHz EM card
Reading Distance	≤3cm
Standby Current	≤5uA
Index of Protection	IP65
Operating Humidity	0%~86%
Operating Temperature	-20°C~+60°C (-4°F~+140°F)
Dimensions	L120 x W50 x H20 (mm)
Color	Black, White optional
Net Weight	88g

Wireless Reader

Wireless RFID Reader (WR1)



Features:

- 433MHz Rolling Code technology
- Card type: 125KHz EM card or 13.56MHz Mifare card
- Programmable wiegand output of the receiver: 26 bits or 34 bits
- Communication distance: 30m maximum
- Ultra low power consumption
- Waterproof, conforms to IP65

Two versions:

- WR1-EM: 125KHz EM card
- WR1-MF: 13.56MHz Mifare card

Wireless Keypad Reader(WK1)



Features:

- 433MHz Rolling Code technology
- PIN Length: 1-6 digits
- Card Type: 125KHz EM card or 13.56MHz Mifare Card
- Programmable Wiegand output of the receiver: 26 bits or 34 bits
- Communication distance: 30m max
- Ultra low power consumption
- Support wireless button (Optional)

Two versions:

- WK1-EM: 125KHz EM card
- WK1-MF: 13.56MHz Mifare card

Wireless Metal Keypad (WK2)



Features:

- Waterproof, conforms to IP65
- Metal case, anti-vandal
- 433MHz Rolling Code technology
- PIN Length: 1-6 digits
- Card Type: 125KHz EM card or 13.56MHz Mifare card
- Programmable Wiegand output of the Receiver: 26 bits or 34 bits
- Communication distance: 30m max
- Ultra low power consumption
- Support wireless button (Optional)

- Operating temperature: -20°C~+60°C (-4°F~+140°F)
- Dimensions: L148 x W56 x H22.5(mm) (Keypad)
L25 x W50(mm) (Receiver)

Wireless Keypad Reader



WK1

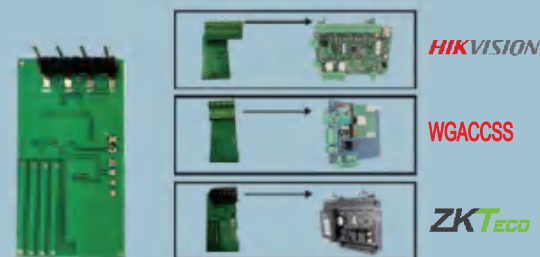
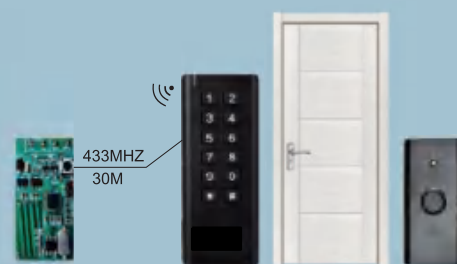
Features:

- 433MHz Rolling Code technology
- Card type: 13.56MHz Mifare card or 125KHz EM card
- Programmable wiegand output of the receiver: 26 bits or 34 bits
- Communication distance: 30m max
- Ultra low power consumption
- Operating Temperature -20°C~+60°C (-4°F~+140°F)

Unique Features:

Wireless Button (optional)

Can work with any famous brand controller with easily inserting the receiver



Wireless Control

Wireless Access Control Kit (SK3)



Features:

- 2.4G Rolling Code technology
- 500 PIN/card users
- 4-8 digits PIN, 125 KHz EM Card
- Operating Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
- Communication distance: 15m Max

Operating Voltage:

- Wireless Keypad: 3 units of AAA batteries
- Mini Controller: 12V DC $\pm 20\%$
- Wireless Exit Button: 1 unit of 2032 Lithium battery

Dimensions:

- Wireless Keypad: L135 x W54 x D19 (mm)
- Wireless Exit Button: L83 x W40 x D15 (mm)
- Controller: L65 x W55 x D18 (mm)

Wireless Access Control Kit (SK7)



Features:

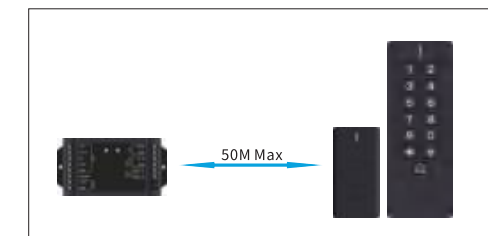
- 433MHz Rolling Code Technology
- 600 PIN / card users (100 visitor users + 500 common users)
- 4~8 digits, 125KHz EM Card
- Waterproof, conforms to IP65 (Wireless Keypad)
- Door contact, alarm and door bell output
- Backlit keypad

Operating Voltage:

- Wireless Keypad: 3units of AAA batteries
- Mini Controller: 12V DC
- Wireless Exit Button: 1 unit of 2032 Lithium battery



Battery powered, no need wires any more!

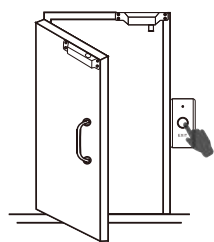


Communication distance : 50M Max

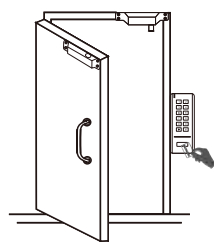
Muliple Access Mode



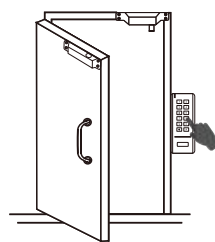
By Remote



By Wireless Button



By Cards/Tags



By Password



Wireless Kit

Wireless Lock Kit (WS1)



Features:

- All wireless, no need wires any more
- Open times: 16,000 times for lock, 10,000 times for keypad
- 433MHz Rolling Code technology
- Ultra low power consumption
- With two remote transmitters
- 100 PIN/card users
- 4~6 digits PIN, 125KHz EM or 13.56MHz Mifare card optional
- Open the lock by keypad, wireless exit button and remote transmitter

Wireless Lock Kit (WS1-A)



Features:

- All wireless, no need wires any more
- Open times: 16,000 times for lock, 10,000 times for keypad
- 433MHz Rolling Code technology
- Ultra low power consumption
- 100 PIN/card users:
- 4~6 digits PIN, 125KHz EM or 13.56MHz Mifare card optional
- Open the lock by keypad, wireless exit button

Wireless Lock Kit (WS1-B)



Features:

- All wireless, no need wires any more
- Open times: 16,000 times for lock
- 433MHz Rolling Code technology
- With two remote transmitters
- Ultra low power consumption
- Open the lock by remote transmitters and wireless exit button

DIY Lock Kit D5



Wireless



Anti-vandal



50M Max



Battery Powered

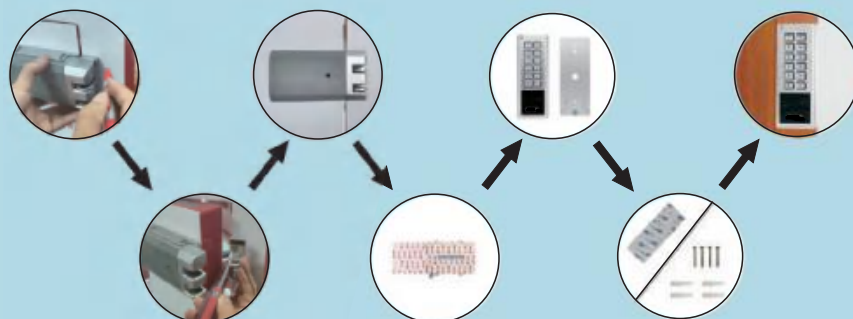


Protection Rating

- > 433MHz Technology
- > 500 Users
- > Multiple Ways to open door:
Touching Switch, EM Card, 4~8
digits PIN and Remote Control
- > Battery powered - Low consumption
- > Metal keypad - Vandal proof
- > Touching switch - Convenient
- > Wireless - Easy installation by
using 3M stickers



Easy Installation by 3M Stickers within 3 Minutes:



Smart Access-DIY Lock

DIY Lock Kit (D5 / D5N)



Features:

- Metal keypad, IP66 waterproof
- Touch the wireless lock to open/close
- Operating Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
- 433MHz Rolling Code technology
- Communication distance: 50m Max

D5:

- 500 users
- 4~8 digits, 125KHz EM card

D5N:

- 100 users
- 4~6 digits, 125KHz EM or 13.56MHz Mifare card

DIY Lock Kit (D5-P / D5N-P)



Features:

- Touch the wireless lock to open/close
- Operating Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
- 433MHz Rolling Code technology
- Communication distance: 50m Max

D5-P:

- 500 users
- 4~8 digits, 125KHz EM card

D5N-P:

- 100 users
- 4~6 digits, 125KHz EM or 13.56MHz Mifare card

DIY Lock (D5-S)



Features:

- Touch the wireless lock to open/close
- 433MHz Rolling Code technology
- Ultra low power consumption
- Communication distance: 50m Max
- Operating Temperature: -40°C ~ 60°C (-40°F ~ 140°F)

Operation Voltage:

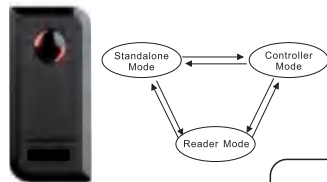
- Wireless Lock: 2 units of AA batteries
- Remote Transmitter: 1 unit of 2032 Lithium battery

Dimensions:

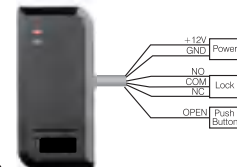
- Wireless Lock: L150 x W83 x D38 (mm)
- Remote Transmitter: L63 x W30 x D11.5 (mm)

RFID

Standalone - Powerful



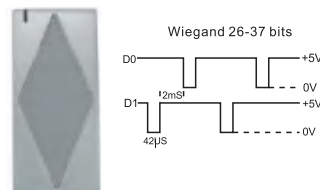
Standalone - Simple



UHF Reader



Wiegand Reader



FeliCa Reader



Standalone-Powerful

Convertible Controller / EM Reader



S1-X(EM)



S2-X(EM)

Features:

- One relay, 1000 users
- Card Type: EM Card
- Wiegand 26~37 bits input & output
- Can be set as Standard Wiegand Reader
- User data can be transferred by Wiegand line
- Access modes: Card, PIN, Card + PIN, Multi Cards/PINs
- Pulse mode, toggle mode
- 2pcs devices support interlock for two doors

Parameters:

- Operating Voltage: 9-24V DC
- Card Frequency: 125 KHz
- Working Temperature: -40°C~60°C
- Environment: meets IP66
- Dimension: L103 x W48 x D20 (mm)

Convertible Controller / EM+HID Reader



S3-X(EM+HID)



S4-X(EM+HID)

Features:

- One relay, 1000 users
- Card Type: EM + HID Cards
- Wiegand 26~37 bits input & output
- Can be set as Standard Wiegand Reader
- User data can be transferred by Wiegand line
- Access modes: Card, PIN, Card + PIN, Multi Cards/PINs
- Pulse mode, toggle mode
- 2pcs devices support interlock for two doors

Parameters:

- Operating Voltage: 9-24V DC
- Card Frequency: 125 KHz
- Working Temperature: -40°C ~ 60°C
- Environment: meets IP66
- Dimension: S3-X: L120 x W48x H20 (mm)
S4-X: L120 x W76 x H20 (mm)

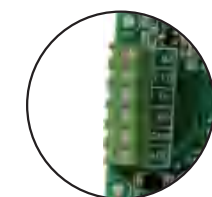
3 Kinds of Interface



55cm cable
(Standard)



RJ45
(Optional)



Terminal Blocks
(Optional)

Optional for all wiegand readers and simple access control with 6 wires.

Standalone Economical Reader

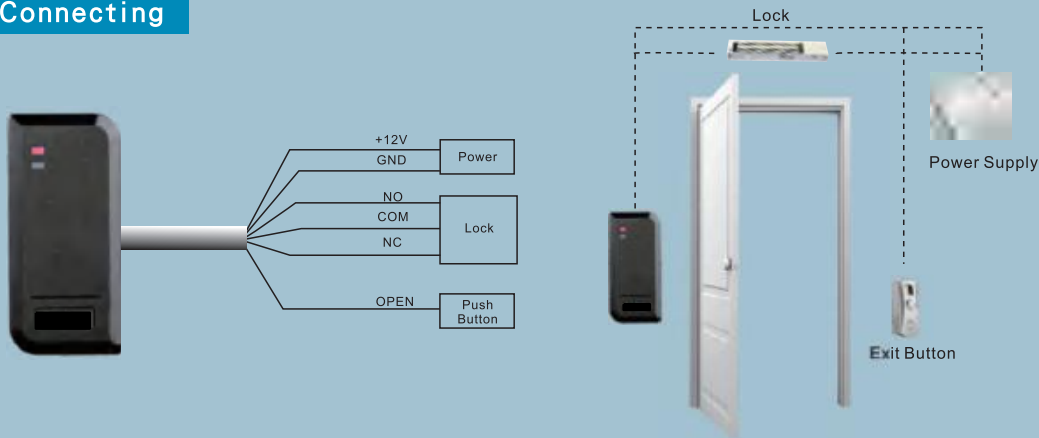


S2-EM

Features:

- Waterproof, conforms to IP66
- One relay, 2000 users, standalone
- Card type: 125KHz EM card only
- Working temperature: -40°C ~ 60°C
- Pulse mode, toggle mode
- Built in LDR for anti-tamper
- Card block enrolment
- Easy for installing, 6 wires only
- Easy for programming by master cards and remote control

Connecting



User Capacity	2000
Card	EM card
Operating Voltage	9~24V DC
Idle Current	<40mA
Proximity Card Reader	EM
RadioTechnology	125KHz proximity card
Read Range	3~10cm
Wiring Connections	Relay output, exit button
Relay	One (NO, NC, Common)
Adjustable Relay Output Time	0-99 Seconds (5 seconds default)
Lock Output Load	2 Amp Maximum
Environment	Meets IP66
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Operating Humidity	20% RH ~ 98% RH
Physical	ABS Shell
Colour	Black, White
Dimension	L102 x W48 x H20 (mm)
Unit Weight	100g
Shipping Weight	150g

Standalone-Simple

Standalone EM/Mifare Reader



S2-EM

S2-MF

Features:

- One relay, 2000 users
- Card type: 125KHz EM Card or 13.56MHz Mifare Card
- Pulse mode, toggle mode
- Built in LDR for anti tamper
- Card block enrolment

Parameters:

- Operating Voltage: 9~24V DC
- Card Frequency: 125KHz
- Working Temperature: -40°C ~ 60°C
- Environment: meets IP66
- Dimension: L103 x W48 x D20 (mm)

Metal Standalone EM Reader



S5-EM

S6-EM

Features:

- One relay, 2000 users
- Card type: 125KHz EM Card
- Pulse mode, toggle mode
- Built in LDR for anti tamper
- Card block enrolment

Parameters:

- Operating Voltage: 9~24V DC
- Card Frequency: 125KHz
- Working Temperature: -40°C ~ 60°C
- Environment: meets IP66
- Dimension: L103 x W48 x H19 (mm)

Standalone Bluetooth Access Control



S5-BT

S6-BT

Features:

- 2 ways to open the door: mobile phone and Mifare/EM card
- One relay, 10000 users
- Compatible with all Bluetooth-enabled mobile phones(version: 4.0 above)
- APP supports Android 4.3 and IOS 7.0 above
- Supports sending Remote E-KEY to users
- Metal case, anti-vandal
- Waterproof, conforms to IP66

Two versions

- S5/S6-BT EM - Read 125KHz EM card
- S5/S6-BT Mifare - Read 13.56 MHz Mifare card

Reader Only

Wiegand Reader (EM+ HID+ Mifare)



S1-RX

S2-RX

- Features:
- Wiegand 26~37 bits output (default: 26bits)
 - Card type: HID card, EM card & Mifare card
 - Reading range: 3~8cm
 - External LED & buzzer control

- Parameters:
- Operating Voltage: 9~24V DC
 - Card Frequency: 125KHz & 13.56 MHz
 - Working Temperature: -40 ~ 60°C
 - Environment: meets IP66
 - Dimension: L103 x W48 x D20 (mm)

Wiegand Reader (EM+ HID)



S3-R

S4-R

- Features:
- Wiegand 26~37 bits output (default: 26bits)
 - Card type: HID card & EM card
 - Reading range: 3~8cm
 - External LED & buzzer control

- Parameters:
- Operating Voltage: 9~24V DC
 - Card Frequency: 125KHz
 - Working Temperature: -40 ~ 60°C
 - Environment: meets IP66
 - Dimension-S3-RX: L120 x W48 x D20 (mm)
 - Dimension-S4-RX: L120 x W76 x D20 (mm)

Wiegand Reader (EM or Mifare)



S2-R EM

S2-R MF

- Features:
- Wiegand 26~37 bits output (default: 26bits)
 - Card type: 125KHz EM card or 13.56MHz Mifare card
 - Reading range: 3~8cm
 - External LED & buzzer control

- Parameters:
- Operating Voltage: 9~24V DC
 - Working Temperature: -40 ~ 60°C
 - Environment: meets IP66
 - Dimension: L103 x W48 x D20 (mm)

Reader - Metal



S5-R Wiegand Reader



S6-R Wiegand Reader



Metal case, anti-vandal



Low working temperature: -40°C

Features:

- Metal case, anti-vandal
- Waterproof, conforms to IP66
- Wiegand 26~37 bits output (default: 26bits)
- External LED & buzzer control

- Reading Range: 3~8cm
- Operating Voltage: 9~24V DC
- Working Temperature: -40 ~ 60°C
- Dimension: L103 x W48 x H19 (mm)

Versions:

Model	Card Type
S5/S6-R EM	Read 125KHz EM card
S5/S6-R MF	Read 13.56MHz Mifare card (ISO 14443A Compatible)
S5/S6-R H&E	Read 125KHz HID & EM cards
S5/S6-RX	Read 125KHz HID, EM cards & 13.56MHz Mifare card (ISO 14443A Compatible)

Reader-Mifare

7/4 Bytes Mifare Reader

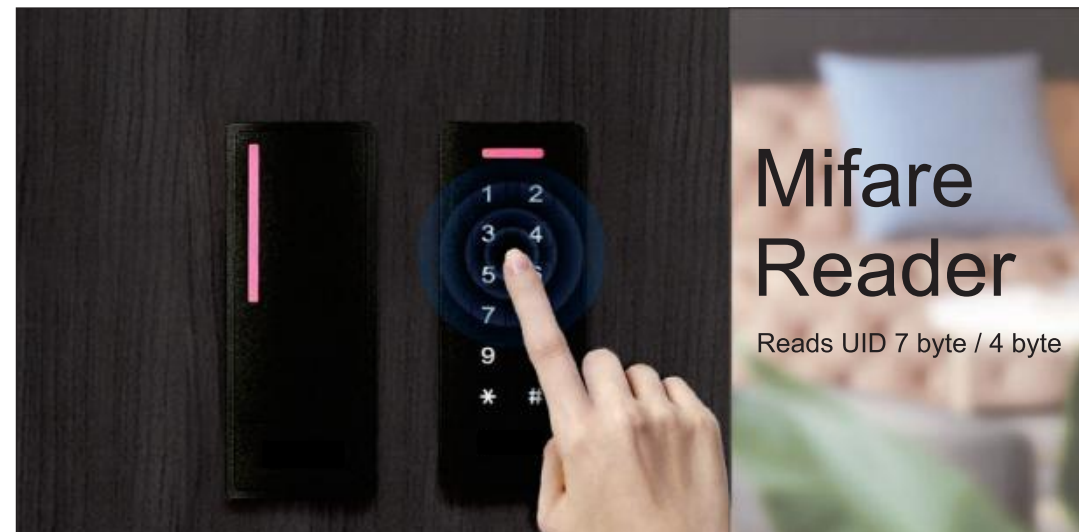


S3-R7

SK2-R7

Features:

- Identifies UID 7 bytes / 4 bytes
- Card type: 13.56MHz Mifare card
- Waterproof, conforms to IP66
- Working temperature: -40°C ~ 60°C
- Wiegand 34/56 bits or 34/58 bits (Default: 34/56 bits) (S3-R7)
- Programmable Wiegand 26~44,56,58 bits (Default: 26 bits) (SK2-R7)
- Programmable 4 bits,8 bits or Virtual card number (Default: 4 bits) (SK2-R7)



FeliCa Card Reader



S3-R FeliCa

Features:

- Wiegand 64 bits output
- Card type: 13.56MHz FeliCa card
- Reading range: 3~5cm
- External LED & buzzer control

Parameters:

- Operating Voltage: 9-24V DC
- Working Temperature: -40°C ~ +60°C
- Environment: meets IP66
- Dimension: L120 × W48 × D20 (mm)

Reader-UHF

Middle Range UHF Reader



SUHF-1

Features:

- Free demo and SDK
- Stable reading distance: 1~5m
- Interface: Wiegand 26 bit, 34 bit, RS232, RS485, RJ45
- Frequency: 902~928MHz or customize other frequency

Parameters:

- Operating Voltage: 12V DC
- Working Temperature: -40°C ~ 65°C
- Environment: meets IP65
- Dimension: L232 × W232 × D55 (mm)

Long Range UHF Reader



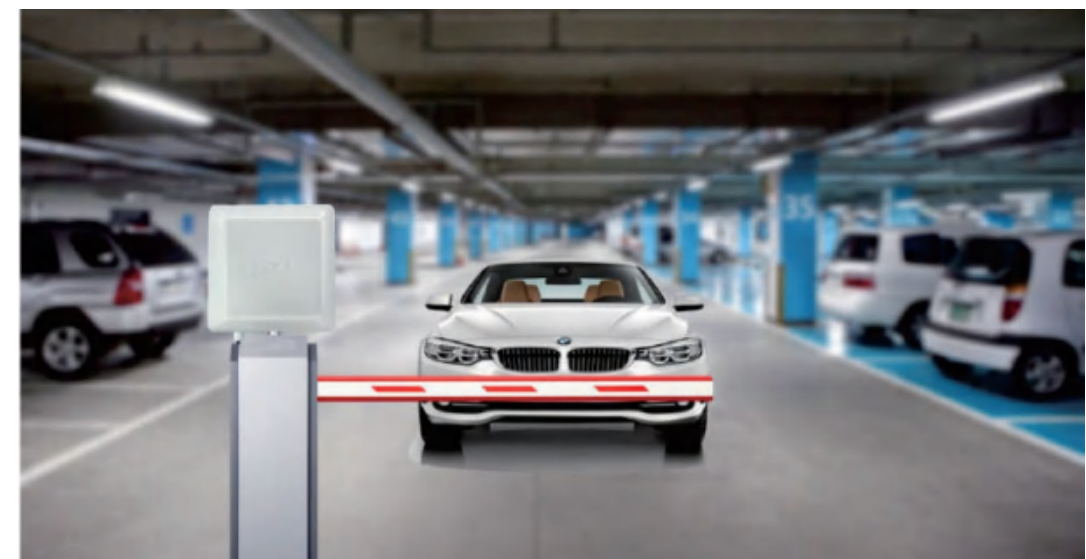
SUHF-2

Features:

- Free demo and SDK
- Stable reading distance: 12~15m
- Interface: Wiegand 26 bit, 34 bit, 42 bit, RS232, RS485, 10/100M Ethernet
- Frequency: 902~928MHz or customize other frequency

Parameters:

- Operating Voltage: 12V DC
- Working Temperature: -40°C ~ 65°C
- Environment: meets IP65
- Dimension: L445 × W445 × D40 (mm)



Keypad



Easy Keypad



Standalone/Controller



Keypad Reader

Easy Kaypad



Low Working Temperature: -40°C



Support Visitor Users

Features:

- Zinc-Alloy enclosure, backlit keypad
- Waterproof, conforms to IP66
- Standalone, one relay
- Operating Humidity: 10%RH-90%RH
- PIN only, 1000 users capacity
- Operating Voltage: 9~18V DC
- Operating Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
- Dimensions: L98 x W66 x H22(mm)(K5)
L120 x W49 x H24(mm)(K6)

Standalone Keypad

Outdoor Easy Keypad (EM or Mifare)



K1

- Features:
- Metal case, backlit keypad
 - One relay, 1000 users (990 Normal Users + 10 Visitor Users)
 - 3 access modes: Card, PIN, Card + PIN
 - 4~6 digits PIN, 125KHz EM card or 13.56MHz Mifare card
 - External alarm & door contact output
- Parameters:
- Operating Voltage: 9 ~ 18V DC
 - Operating Temperature: -40°C~60°C (-40°F~140°F)
 - Environment: meets IP66
 - Dimensions: L120 x W76 x D25 (mm)

Outdoor Dual-relay Keypad (EM or Mifare)



SK1

- Features:
- Metal case, backlit keypad
 - Dual relay, 1100 users
 - 4~6 digits PIN, 125KHz EM card or 13.56MHz Mifare card
 - Latch mode to hold door or gate open
 - 4 panic users (2 for each Zone)
- Parameters:
- Operating Voltage: 12 ~ 28V AC/DC
 - Operating Temperature: -40°C~60°C (-40°F~140°F)
 - Environment: meets IP66
 - Dimensions: L120 x W76 x D25 (mm)



Standalone Keypad

Outdoor Easy Keypad (EM or Mifare)



K4/K4-MF

- Features:
- Metal case with backlit keypad, anti-vandal
 - One relay, 1000 users
 - Support visitor users (K4)
 - 4~6 digits PIN, 125KHz EM card or 13.56MHz Mifare card
 - Latch mode to hold door or gate open
- Parameters:
- Operating Voltage: 9 ~ 18V DC
 - Operating Temperature: -40°C~60°C (-40°F~140°F)
 - Environment: meets IP66
 - Dimensions: L130 x W55 x D23 (mm)

Outdoor Dual-relay Keypad



SK4

- Features:
- Metal case, backlit keypad
 - Dual relay, 1100 users
 - 4~6 digits PIN, 125KHz EM card
 - Latch mode to hold door or gate open
- Parameters:
- Operating Voltage: 12 ~ 28V AC/DC
 - Operating Temperature: -40°C~60°C (-40°F~140°F)
 - Environment: meets IP66
 - Dimensions: L130 x W55 x D23 (mm)

Standalone Keypad with Wiegand



SK1-W



SK4-W

- Features:
- Metal case with backlit keypad, anti-vandal
 - One relay, 1000 users (990 normal users + 10 visitor users)
 - 4~6 digits PIN, 125KHz EM card
 - Latch mode to hold the door or gate open
 - Facility code programmable
 - Card block enrollment
- Parameters:
- Operating voltage: 12~28V AC/DC
 - Operating Temperature: -40°C~60°C (-40°F~140°F)
 - Environment: meets IP66

Standalone Keypad

Easy Keypad with Visitor Users



K2-EM K2-MF

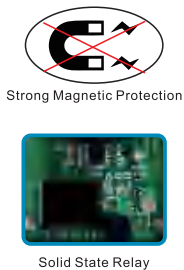
- Features:
- Backlit keypad
 - One relay, 1000 users (990 Normal Users + 10 Visitor Users)
 - 3 access modes: Card, PIN, Card + PIN
 - 4~6 digits PIN, 125KHz EM card or 13.56MHz Mifare card
 - External alarm & door contact output
 - Waterproof, IP66

- Parameters:
- Operating Voltage: 9 ~ 18V DC
 - Operating Temperature: -40°C~60°C (-40°F~140°F)
 - Environment: meets IP66
 - Dimensions: L120 x W76 x D25 (mm)

Easy Keypad with Solid State Relay



K1-S



- Features:
- Metal case, anti-vandal
 - One Solid State Relay, 1000 users
 - 4~6 digits PIN, 125KHz EM card
 - Backlit keypad
 - Latch mode to hold door or gate opens

- Parameters:
- Operating voltage: 9 ~18V DC
 - Operating Temperature: -40°C~60°C (-40°F~140°F)
 - Environment: meets IP66
 - Dimensions: L120 x W76x D25 (mm)

Most of the keypads support 2 kinds of interface as below



55cm cable
(Standard)



Terminal Blocks
(Optional)

Standalone/Controller/Reader

Standalone/Controller/Reader (EM + HID + Mifare)



SK2-X SK5-X

- Features:
- One relay, 600 users
 - Card Type: EM+HID + Mifare (ISO14443A)
 - Wiegand 26~37 bits input & output
 - Can be set as Standard Wiegand Reader
 - User data can be transferred by Wiegand line
 - Access modes: Card, PIN, Card + PIN, Multi Cards/PINs
 - Pulse mode, toggle mode
 - 2pcs device support interlock for two doors

- Parameters:
- Operating Voltage: 9~18V DC (SK2-X)
 - Operating Voltage: 12~28V AC / DC (SK5-X)
 - Card Frequency: 125KHz & 13.56 MHz
 - Working Temperature: -40°C ~ 60°C
 - Environment: meets IP66

Standalone/Controller/Reader (EM + HID)



SK2-H&E SK5-H&E

- Features:
- One relay, 1000 users
 - Card Type: EM+HID Card
 - Wiegand 26~37 bits input & output
 - Can be set as Standard Wiegand Reader
 - User data can be transferred by Wiegand line
 - Pulse mode, toggle mode
 - 2pcs device support interlock for two doors

- Parameters:
- Operating Voltage: 9~18V DC
 - Card Frequency: 125 KHz
 - Working Temperature: -40°C ~ 60°C
 - Dimension: L123 x W50 x D22 (mm) (SK2 - H&E)
 - Dimension: L148 x W56 x D22.5 (mm) (SK5 - H&E)

Standalone/Controller/Reader (EM)



SK2-EM SK5-EM

- Features:
- One relay, 1000 users
 - Card Type: EM Card
 - Wiegand 26~37 bits input & output
 - Can be set as Standard Wiegand Reader
 - User data can be transferred by Wiegand line
 - Pulse mode, toggle mode
 - 2pcs device support interlock for two doors

- Parameters:
- Operating Voltage: 9~18V DC
 - Card Frequency: 125 KHz
 - Working Temperature: -40°C ~ 60°C
 - Environment: meets IP66

Standalone/Controller/Reader

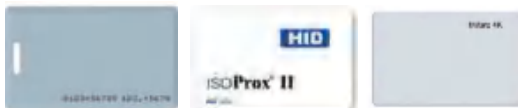
Standalone/Controller/Reader(EM+HID+Mifare)



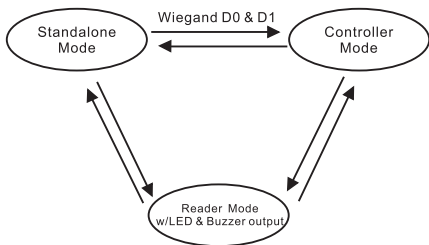
- Features:
- Waterproof, conforms to IP66
 - One relay, 600 users
 - PIN length: 4~6 digits
 - Wiegand 26~37 bits input & output
 - Card type: 125KHz EM&HID card, 13.56MHz Mifare card
 - 12~28V AC/ DC
 - Pulse mode, toggle mode
 - Card block enrolment
 - Low temperature resistance(-40°C)
 - 2 devices can be interlocked for 2 doors
 - Can be used as Wiegand reader

Key Features:

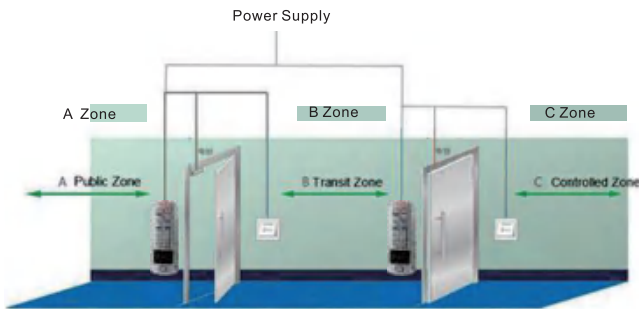
① EM + HID + Mifare



② Three Working Modes

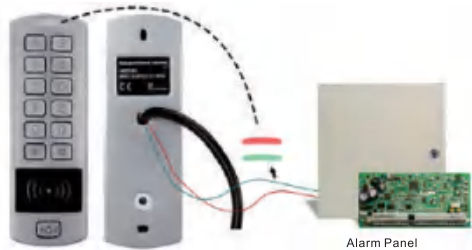


③ Interlock



when door 1 is open,
door 2 can't be opened,
and vise versa

Optional: SK6-X (LED)



LED can be Controlled by External
Alarm Panel via the Extra 2 Wires

Keypad Reader

Metal Keypad Reader (EM, Mifare or EM + HID)



- Features:
- Metal case, anti-vandal
 - Card Type: 125KHz EM or 13.56MHz Mifare or 125KHz HID & EM
 - Wiegand 26~37 bits output (default: 26bits)
 - Optional keypad transmission: 4 bits, 8 bits or virtual card number format
 - External LED & buzzer control
- Parameters:
- Operating voltage: 9 ~ 18V DC
 - Operating Temperature: -40°C~60°C (-40°F~140°F)
 - Environment: IP66
- Remark: For SK1-R, version of supporting 9V backup battery is optional

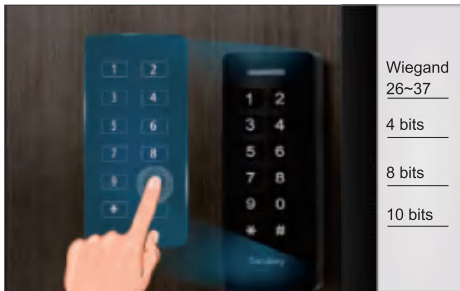
Keypad Reader (EM, Mifare or EM + HID)



- Features:
- ABS material enclosure
 - Card type: 125KHz EM, 13.56MHz Mifare or 125KHz HID & EM
 - Programmable Wiegand output: 26~37 bits
 - Programmable PIN output: 4bits, 8bits or 10bits (Virtual Card Number)
 - External LED & buzzer output
- Parameters:
- Operating voltage: 9~18V DC
 - Operating Temperature: -40°C~60°C (-40°F~140°F)
 - Environment: meets IP66



Keypad Backlight can be set ON/OFF



Manually programmable Wiegand format

Keypad Reader

Keypad Reader (EM + HID+Mifare)

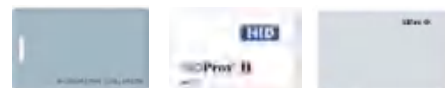


Features

- Waterproof, conforms to IP66
- Wiegand 26~37 bits input & output
- Programmable Keypad Transmission:
 - 4 bits, 8 bits or virtual card number format
- 9~18V DC
- Reading range: 3~8cm
- Card Type: 125KHz HID, EM & 13.56MHz Mifare
- Operating Temperature: -40°C ~ 60°C (-40°F ~ 140°F)

Key Features:

① 3 in 1 (supports EM + HID + Mifare)



② Manually programmable Wiegand format



③ 3 kinds of PIN output format (4, 8, 10 bits)

4 bits

The reader will transmit the PIN data after every key is pressed:

1 (0001), 2 (0010), 3 (0011)
4 (0100), 5 (0101), 6 (0110)

8 bits

The reader will transmit the PIN data after every key is pressed:

1 (1110 0001), 2 (1101 0010),
3 (1100 0011), 4 (1011 0100)

10 bits (Virtual Card Number)

The reader will transmit the PIN data when it receives the last key (#) after PIN code

Example: PIN code: 999999
Press 999999 #, then the output format will be: 0000999999

X Series High - end Products



X Series Reader



X Series Keypad

X Series Reader – Metal, IK10



IK10 Anti-collision



Metal case, anti-vandal



Low working temperature: -40°C

Features:

- Metal case, anti-vandal
 - Waterproof, conforms to IP66
 - Programmable Wiegand output: 26~44, 56, 58 bits (use an optional remote control)
 - External LED & buzzer control
- Reading Range: 3~8cm
 - Operating Voltage: 9~24V DC
 - Working Temperature: -40°C~60°C (-40°F~140°F)
 - Dimension: L105 x W49 x H21 (mm)

Versions:

Model	Card Type
X1/X2-R EM	Read 125KHz EM card
X1/X2-R MF	Read 13.56MHz Mifare card (4 Byte, 7 Byte ISO 14443A Compatible)
X1/X2-RX	Read 125KHz HID, EM cards & 13.56MHz Mifare card (4 Byte, 7 Byte ISO 14443A Compatible)

X Series Keypad

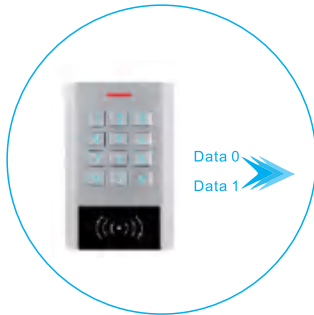


Features:

- One relay, 1000 users
 - Card Type: 13.56MHz Mifare card (4 Byte, 7 Byte)
 - Can be set as Standard Wiegand Reader
 - User data can be transferred by Wiegand line
- Pulse mode, toggle mode
 - 2pcs device support interlock for two doors
 - Wiegand 26~44, 56, 58bits input & output
 - 12~28V AC/DC



Card type: 13.56MHz Mifare card (4 Byte, 7 Byte ISO14443A Compatible)



Wiegand 26~44, 56, 58bits input & output



LED & Keypad backlight can be set
- Always ON
- Always OFF
- Automatically OFF after 20s

X Series Keypad

Standalone/Controller/Reader



XK1

XK2

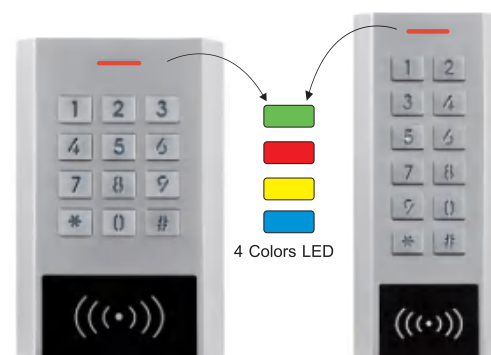
Features:

- One relay, 1000 users
- Card Type: EM or EM+HID Card
- Wiegand 26~37 bits input & output
- Can be set as Standard Wiegand Reader
- User data can be transferred by Wiegand line
- Pulse mode, toggle mode
- 2pcs device support interlock for two doors

Parameters:

- Operating voltage: 12-28V AC/DC
- Operating Temperature: -40°C ~ 60°C (-40 °F ~ 140 °F)
- Dimensions: L115 x W75 x D22 (mm) (XK1)
- Dimensions: L134 x W55 x D21 (mm) (XK2)

Outdoor Single-relay Keypad



XK1-S

XK2-S

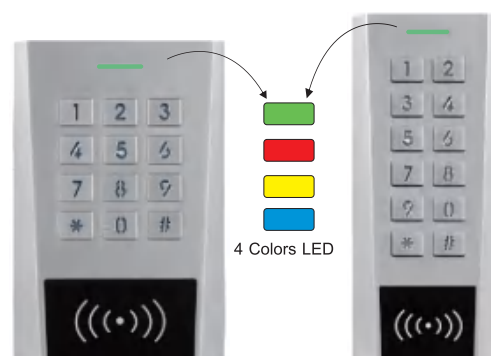
Features:

- Metal case, anti-vandal
- Waterproof, conforms to IP66
- One relay, 999 users (Card, PIN, Card + PIN)
- Card type: 125KHz EM card
- PIN length: 1~8 digits
- Latch mode to hold door or gate open
- Can set the volume sound from level 0~5
- Can set the keypad backlight turn off after 60s

Parameters:

- Operating voltage: 12-28V AC/DC
- Operating Temperature: -40°C ~ 60°C (-40 °F ~ 140 °F)

Outdoor Dual-relay Keypad



XK3-D

XK4-D

Features:

- Waterproof, conforms to IP66
- Dual-relay, 999 users (Card, PIN, Card + PIN)
- Card type: 125KHz EM card
- PIN length: 1~8 digits
- Latch mode to hold door or gate open
- Can set the volume sound from level 0~5
- Can set the keypad backlight turn off after 60s

Parameters:

- Operating voltage: 12-28V AC/DC
- Operating Temperature: -40°C ~ 60°C (-40 °F ~ 140 °F)

X Series Keypad



XK3-BT

XK4-BT

Bluetooth Keypad

Features:

- With Bluetooth, APP configuration
- Waterproof, conforms to IP66
- One relay, 1000 users
- Card Type: EM or EM+HID Card
- Wiegand 26~37 bits input & output
- User data can be transferred by Wiegand line
- Pulse mode, toggle mode
- 2pcs device support interlock for two doors

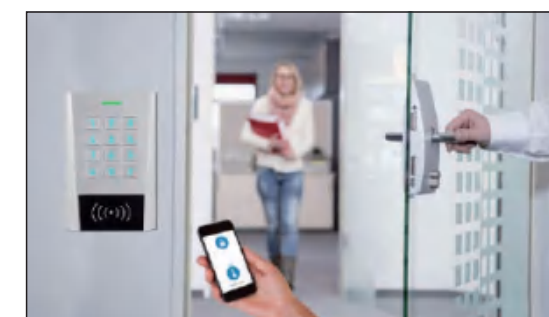
Parameters:

- Operating Voltage: 12~28V AC / DC
- Working Temperature: -40°C ~ 60°C (-40°F ~ 140°F)
- Dimension: L115 x W75 x D22 (mm) (XK3-BT)
- Dimension: L134 x W55 x D21 (mm) (XK4-BT)



APP Name: Ksmart

Pressing a button, door opens!



X Series Keypad

Metal Keypad Reader (Mifare)



XK1-R MF

XK2-R MF

Features:

- Metal case, anti-vandal
- Waterproof, conforms to IP66
- 13.56MHz Mifare cards / fobs
- Programmable Wiegand output: 26~37bits(default: 26 bits)
- Keypad Transmission: 4 bits, 8bits or virtual card number (default: 4bits)
- Keypad backlit can be set: Always ON, Always OFF or automatically OFF after 20s
- External 5 LEDs control (Red, Green, Blue, Yellow & Backlight)
- External buzzer control

Parameters:

- Operating voltage: 12-28V DC
- Operating Temperature: -40°C ~ 60°C (-40 °F ~ 140 °F)
- Dimensions: L115 x W75 x D22 (mm) (XK1-R)
- Dimensions: L134 x W55 x D21 (mm) (XK2-R)

Metal Keypad Reader (EM)



XK3-R EM

XK4-R EM

Features:

- Metal case, anti-vandal
- Waterproof, conforms to IP66
- Card type: 125KHz EM cards / fobs
- Programmable Wiegand output: 26~37bits (default: 26 bits)
- Keypad Transmission: 4 bits, 8bits or virtual card number (default: 4bits)
- Keypad backlit can be set: Always ON, Always OFF or automatically OFF after 20s
- External 5 LEDs control (Red, Green, Blue, Yellow & Backlight)
- External buzzer control

Parameters:

- Operating voltage: 12-28V DC
- Operating Temperature: -40°C ~ 60°C (-40 °F ~ 140 °F)
- Dimensions: L115 x W75 x D22 (mm) (XK3-R)
- Dimensions: L134 x W55 x D21 (mm) (XK4-R)

2 Kinds of Interface

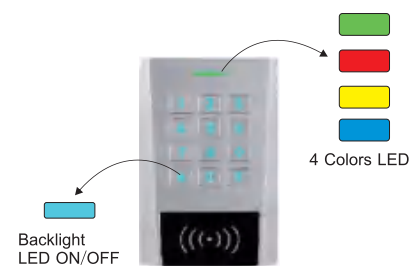


55cm cable
(Standard)



Terminal Blocks
(Optional)

5 LEDs control



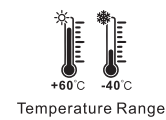
Fingerprint



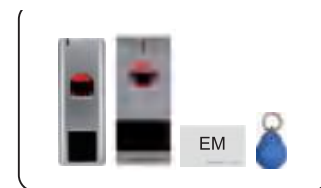
- Waterproof Optical Fingerprint Reader
- Waterproof Capacitive Fingerprint Reader
- Waterproof Fingerprint Sensor, T&A

Optical Fingerprint Reader

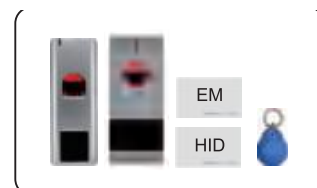
Waterproof Fingerprint Reader (SF1/SF3)



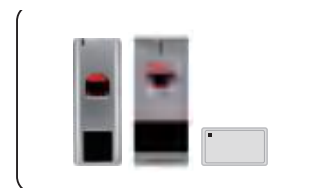
3 Versions Optional



SF1-EM/ SF3-EM



SF1-H&E/ SF3-H&E

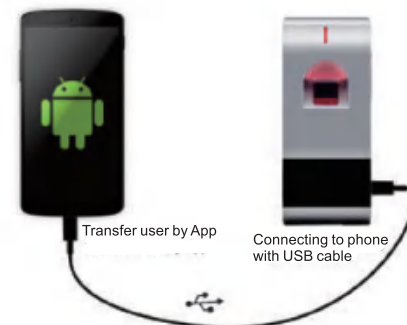


SF1-MF/ SF3-MF

Common Features:

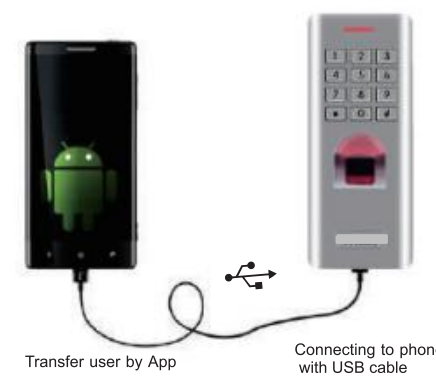
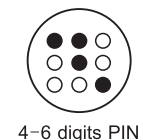
- Standalone, one relay
- 1,000 fingerprint, 2,000 card users
- Wiegand 26~44 Output
- Pulse mode, toggle mode
- Metal design & anti-vandal
- Waterproof, up to IP66

SF3 Specific Feature: Support User Transfer



Optical Fingerprint Reader

SF2 FingerKey



Features:

- Standalone, one relay
- 1,000 fingerprint, 2,000 PIN users
- Wiegand 26~44 Output
- Pulse mode, toggle mode
- Metal design & anti-vandal
- Waterproof, up to IP66
- Support user transfer via Android

Capacitive Fingerprint Reader

Fingerprint Reader/ FingerKey (SF4/ SF5)



Low Working Temperature: -40°C



Support Visitor Users

Features:

- Metal case, anti-vandal
- One programming relay output
- Multi-color LED status display
- Integrated alarm & buzzer output

1000 Users

SF4: 100 Fingerprint Users + 890 Cad Users + 10 Visitor Users
SF5: 100 Fingerprint Users + 890 PIN Users + 10 Visitor Users

2 Versions optional

Waterproof, Non-waterproof

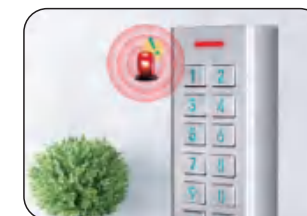
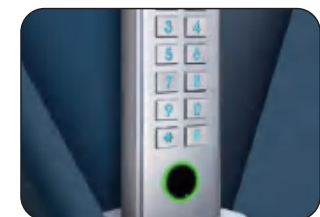
Capacitive Fingerprint Reader

Capacitive FingerKey (SF6)



Features:

- Metal case, anti-vandal
- One Programming relay output
- Multi-color LED Status Display
- 1000 Users (100 Fingerprint Users + 8990 PIN Users + 10 Visitor Users)
- PIN length: 4~6 digits
- Integrated alarm & buzzer output



2 Versions optional:

Waterproof, IP66
Non-waterproof

Normal Fingerprint Sensor

Waterproof Fingerprint Sensor

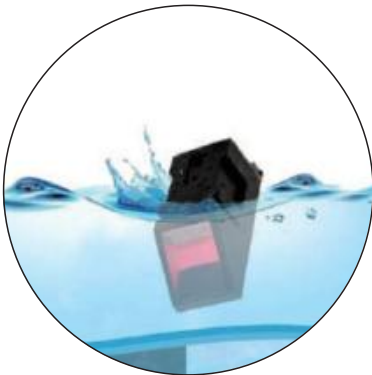
UART



USB



Waterproof



- Features:
- Waterproof: IP65
 - User capacity: 1,000
 - 500DPI optical sensor
 - High speed fingerprint identification algorithm engine
 - Fingerprint template data read from /write to FLASH memory function
 - Identify downloaded feature with captured fingerprint

Specifications:

Model	FS-01	FS-02
Communication Interface	UART, USB	UART, USB
Type	Split	Integrated
Fingerprint Capacity	1,000	
Operating Voltage	5V ± 20%	
Idle Current Active Current	60mA/80mA	
Fingerprint Sensor	Optical Sensor	
Resolution	500DPI	
Identification time	<1S	
FAR	< 0.001% (Security Level 3)	
FRR	< 0.005% (Security Level 3)	
Communication Interface	UART or USB2.0/USB1.1	
Fingerprint Template	512 Bytes	
Environment	Waterproof, IP65	
Operating Temperature	-30°C ~ +70°C	
Storage Temperature	-40°C ~ +80°C	
Storage Humidity	15%RH ~ 95%RH	
Physical	ABS	
Dimensions	20.9 x 17.3mm	
Unit Weight	0.03Kg	
Shipping Weight	0.05Kg	

Fingerprint Sensor

Split



Features:

- User capacity: 1,000
- 500DPI optical sensor
- High speed fingerprint identification algorithm engine
- Fingerprint template data read from /write to FLASH memory function
- Identify downloaded feature with captured fingerprint

Specifications:

Type	Split / Integrated
CommunicationInterface	UART / USB
Fingerprint Capacity	1,000
Operating Voltage	5V ± 20%
Idle Current Active Current	80mA
Fingerprint Sensor	Optical Sensor
Resolution	500DPI
Identification time	<1S
FAR	< 0.001% (Security Level 3)
FRR	< 0.005% (Security Level 3)
Communication Interface	UART or USB2.0/USB1.1
Fingerprint Template	512 Bytes
Operating Temperature	-30°C ~ +70°C
Storage Temperature	-40°C ~ +80°C
Storage Humidity	15%RH ~ 95%RH
Physical	ABS
Dimensions	20.9 x 17.3mm
Unit Weight	0.03Kg
Shipping Weight	0.05Kg

Integrated



Face Access, T&A

F11 Face Time Attendance



Featuers:

- Standalone Time Attendance, No need software
- Identification: Face, Fingerprint, PIN
- 1000 face, 3000 fingerprint, 3000 PIN users
- 300000 logs capacity
- T9 input to enter the user information

Parameters:

- Cameras: Dual HD cameras,
- Screen: 2.8 Inch TFT Color Screen
- Dimensions: L172 x W156 x D35(mm)

F12 Face Access / T&A



Featuers:

- TCP/IP access control & time attendance
- Identification: Face, Fingerprint, Card, PIN
- 1000 face, 5000 fingerprint, 5000 card, 5000 PIN users
- 300000 logs capacity
- T9 input to enter the user information

- Fingerprint: Optical sensor
- Infrared Light: Dual IR
- Operation Voltage: 9V DC



Controller



Accessories

Mini Controller

Single-door Mini Controller (Sboard)



Features:

- One-relay, 1000 users
- Can connect with any reader with Wiegand 26~37 bits output
- User data can be transferred
- **Bluetooth version optional**

Parameters:

- Operating Voltage: 9~24V DC
- Operating Temperature: -40 ~ 60°C
- Dimensions: L65 x W55 x D18 (mm)

Two-door Mini Controller (Sboard-II)



Features:

- Two-relay, 2100 users
- Can connect with any reader with Wiegand 26~37 bits output
- User data can be transferred
- Support Master Card function
- Integrated alarm & buzzer output
- **WIFI version optional**

Parameters:

- Operating Voltage: 12V DC
- Operating Temperature: -40 ~ 60°C
- Dimensions: L100 x W85 x D24 (mm)

Single-door Mini Controller (Sboard-III)

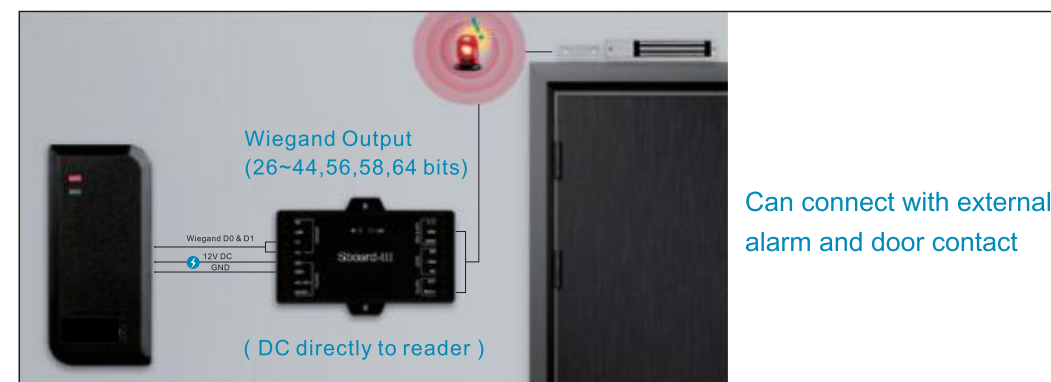


Features:

- One-relay, 999 users
- Wiegand 26~44, 56, 58, 64 bits input
- User data can be transferred
- DC output to reader directly
- Can connect with external alarm and door contact

Parameters:

- Operating Voltage: 12~28V AC/DC
- Operating Temperature: -40 ~ 60°C
- Dimensions: L90 x W47 x D20 (mm)



TCP/IP Controller

C1/C2/C4 TCP/IP Controller



C1

Control 1 door
Supports 2 readers, or
1 reader & 1 exit button



C2

Control 2 doors
Supports 4 readers, or
2 readers & 2 exit buttons



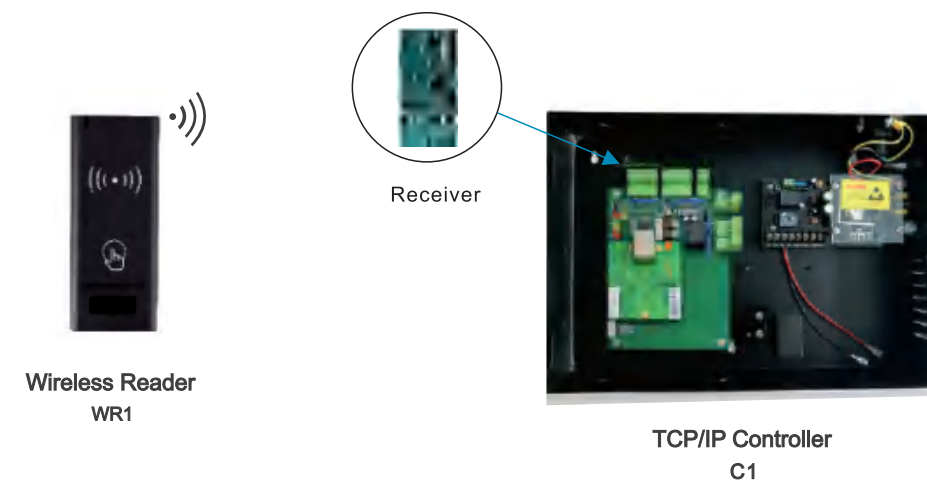
C4

Control 4 doors
Supports 4 readers &
4 exit buttons

- TCP/IP Communication
- Wiegand 26bits ~ 40bits input
- 20,000 users; 100,000 event buffers
- Time & Attendance reporting

- Power Supply: 12V DC, 4~7A
- Dimensions: L273 x W228 x D65 (mm)
- Max Distancer: 100M (suggestion distance 80M)
- Operating Temperature: -40°C ~ 70°C (-40 °F ~ 158 °F)

Controller with WR1 (Wireless Wiegand Reader)



No need wires any more !

Power Supply

S-Power 1



- Basic Features:
- Switch Power Supply
 - Input: AC110 - 240V, 50 - 60 Hz
 - Output: DC 12V, 3A
 - Dimension: L120 x W95 x D38 (mm)

S-Power 2



- Basic Features:
- Linear Power Supply
 - Input: AC220V, 50 Hz
 - Output: DC 12V, 3A
 - Dimension: L182 x W82 x D73 (mm)

S-Power 3



- Basic Features:
- Linear Power Supply
 - Support Back-up connection
 - Input: AC220V, 50 Hz
 - Output: DC 12V, 3A
 - Dimension: L212 x W175 x D70 (mm)

S-Power 4



- Basic Features:
- Switch power supply
 - Support back-up connection
 - Input: AC 110V~240V, 50Hz~60 Hz
 - Output: DC 12V, 5A
 - Dimension: L212 x W175 x H70 (mm)

Lock

Electric Strike



- Standard-type electric strike is designed for wooden door, metal door, PVC door and so on.
- Basic Features:
- Fail secure or fail safe option
 - Lock dimension: L150 x W39.5 x D34 (mm)
 - Holding strength: 500kg

Electric Bolt - Stainless Steel



- Stainless Steel Mini Fail safe electric bolt lock with time delay and signal feedback
- Basic Features:
- Holding force: 800kg
 - Low temperature, time delay and signal feedback
 - Face plate size: 16.8L x 2.5W x 3.6H (cm)
 - Strike size: 9.0L x 2.5W x 0.2H (cm)
 - Operating voltage: DC12V

S-Lock 1 Magnetic Lock



- 280KG/600LBS
Single Door Magnetic Lock (LED)
- Basic Features:
- Cover finish: anodized aluminum/ Lock finish & armature Plate finish: Zinc
 - Dimension: L250 x W49 x H25.5 (mm)
 - Holding force: 280kg(600Lbs)

S-Lock 2 Magnetic Lock



- 500KG/1200LBS
Single Door Magnetic Lock (LED)
- Basic Features:
- Cover finish: anodized aluminum/ Lock finish & armature Plate finish: Zinc
 - Dimension: L265 x W71 x H40 (mm)
 - Holding force: 500kg(1200Lbs)

Lock

S-Lock 3 Electric Bolt



- Fail safe electric bolt with signal and delay timer
- Basic Features:
- Fail safe: Locked when energized
 - Face plate Dimension: L205 x W35 x D41 (mm)
 - Strike dimension: L90 x W25 x D2(mm)
 - Solid bolt : polishing housing, 800Kg holding force

S-Lock 4 Electric Bolt



- Fail safe electric bolt (Led & Delay Timer) for narrow door
- Basic Features:
- Fail safe: locked when energized
 - Holding force: 800kg
 - Face plate size: 200L x 24.5W x 35H (mm)
 - Strike size: 90L x 25W x 2H (mm)

S-Lock 5 Waterproof Magnetic



- 280KG/600LBS
- Waterproof Single Door Magnetic Lock (LED)
- Basic Features:
- Cover finish: anodized aluminum/ Lock finish & armature Plate finish: Zinc
 - Dimension: L260 x W42 x D28.5 (mm)
 - Holding force: 280kg(600Lbs)

S-Lock 6 Waterproof Magnetic



- 500KG/1200LBS
- Waterproof Single Door Magnetic Lock (LED)
- Basic Features:
- Cover finish: anodized aluminum/ Lock finish & armature Plate finish: Zinc
 - Dimension: L240 x W63.5 X 43 (mm)
 - Holding force: 500kg(1200Lbs)

Door Closer

S-Closer 1



- Main Feature:
- Power Size EN 2
 - Suitable for 25 ~ 45kg door
 - Performance Standard: QB/T2698-2013
 - ADC 12 environmental protection of Aluminum Alloy casing body
 - Can connect with external Alarm and door contact

- Parameters:
- Applicable Door Width: 750 ~ 850 mm
 - Size: L150x W38x H58mm

S-Closer 2



- Main Feature:
- Power Size EN 3
 - Suitable for 40~65kg door
 - Performance standard: QB/T 2698-2013
 - ADC 12 environmental protection of Aluminum Alloy casing body
 - Two speed control valves, adjusting closing speed and latching speed

- Parameters:
- Applicable Door Width: 830~950mm
 - Size: L180 x W42 x H63.5 mm

S-Closer 3



- Main Feature:
- Power Size EN 4
 - Suitable for 60~85kg door
 - Performance standard: QB/T 2698-2013
 - ADC 12 environmental protection of Aluminum Alloy casting body
 - Two speed control valves, adjusting closing speed and latching speed

- Parameters:
- Applicable Door Width: 930 ~ 1100 mm
 - Size: L205 x W45 x H70 mm

Door Release Button

Wireless Exit Button



- Features:
- 433MHz Rolling Code Technology
 - Easy installation by 3M stickers
 - Dry contact, wet contact optional
 - 2032 lithium battery operated
 - Dimensions: L83 × W40 × D15 (mm)

Wireless Exit Button



- Features:
- 433MHz Rolling Code Technology
 - Easy installation by 3M stickers
 - Dry contact, wet contact optional
 - 2032 lithium battery operated
 - Dimensions: L83 × W40 × D15 (mm)

S-Button 1



- Basic Features:
- Door Release Button (Stainless steel)
 - Dimension: L86 x W28 x D20 (mm)

S-Button 2



- Basic Features:
- Door Release Button (Stainless steel)
 - Dimension: L88 x W88 x D20 (mm)

S-Button 3



S-Button 4



- Basic Features:
- Door Release Button (Aluminum)
 - Output contact: NO/NC/COM
 - Dimension: L86 x W50 x D25 (mm)

S-Button 5



- Basic Features:
- Door Release Button with Back Box
 - Output contact: NO /COM
 - Dimension: L83 x W32 x D25 (mm)

Card / Fob

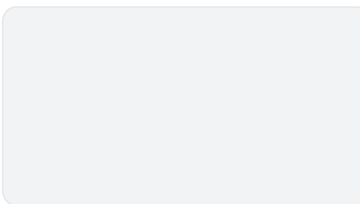
Scard 1-EM thick card



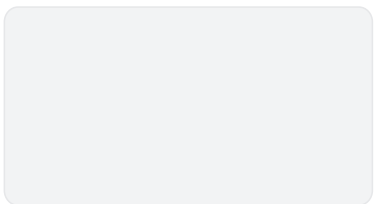
Scard 2-EM thin card



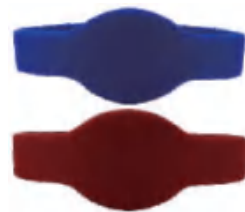
Scard 3- Mifare Card (1K)



Scard 4-HID Card



Sbracelet 1(EM/MF)



Sbracelet 2(EM/MF)



Skey 1 (EM)



Skey 2 (EM)



Skey 3 (EM)



Skey 4 (Mifare)

