

Strike the keyboard for you when it sniffing the tag!



Micro USB Connector

No OTG converter for pad anymore

Ideal for android pad!

More sensitivity than U disk reader!

No driver Required!

Just Plug and Play!

Applications:

- 1) Employee identification**
- 2) Time and attendance**
- 3) Form filter to existing software applications**
- 4) Library, Hoteling, meeting attendance, visitor attendance**

5) Secure printing

6) Point of sale

7) Membership applications

Ordering information:

Model No.: ER200D

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1. Special Features

- Contactless smart card reader
- Act as a HID keyboard device
- Supported card ISO14443A: MIFARE[®]1k, MIFARE[®]4k
- Output 10 digits Card serial number, UID only
- Built in transceiver antenna
- Frequency: 13.56 MHz
- Typical time to read cards: 100ms
- Communication interface: Micro USB
- Power supply : OTG DC 5V, USB BUS power
- Red LED indicator
- Support OS: Android, Windows, Macintosh, Linux, iOS
- Mechanic and environmental characteristics:
 - Dimensions: 50 x50x15 (mm)
 - Operating temperature: -10 ~50 °C
 - Storage temperature: -20~70 °C
 - Relative humidity: up to 95%
 - Weight: 15g

2. Output mode

The ER200D is a RFID reader which can read ISO14443A tags, example: MIFARE[®]1k, MIFARE[®]4k tags. This reader acts as a USB HID keyboard device.

When ER200D is deployed, no software is needed. It uses standard USB drivers supplied by the operating system such as android, Windows, Macintosh and Linux or ios.

The ER200D reader can read the supported cards and print the card's serial number(UID B3B2B1B0 convert to decimal 10 digits) and then end with "**Enter**" Key.



Example:



3. Device Connect

Plug the Micro USB port to the android pad USB port, after power on, the Red

led will flash one time, it means that the reader is power on.



Then the pad will recognize it as HID keyboard device. Next the red led in the reader will flash per second to show that it is ready for scanning the tags.

After installation successfully, open “Excel “ or other application program to read the RFID Tag and the tag’s serial number will be shown on the screen .

4. Electrical Characteristics

4.1 Operating Condition Range

Relative humidity: up to 95%

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
Tamb	Ambient Temperature		-10	25	50	°C
VDD	DC Supply Voltage	DVSS = 0V	4.5	5	5.5	V

Table 1 - Operating Condition Range

4.2 Current Consumption

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
IDVDD	Supply Current	Reading card	25	40	60	mA

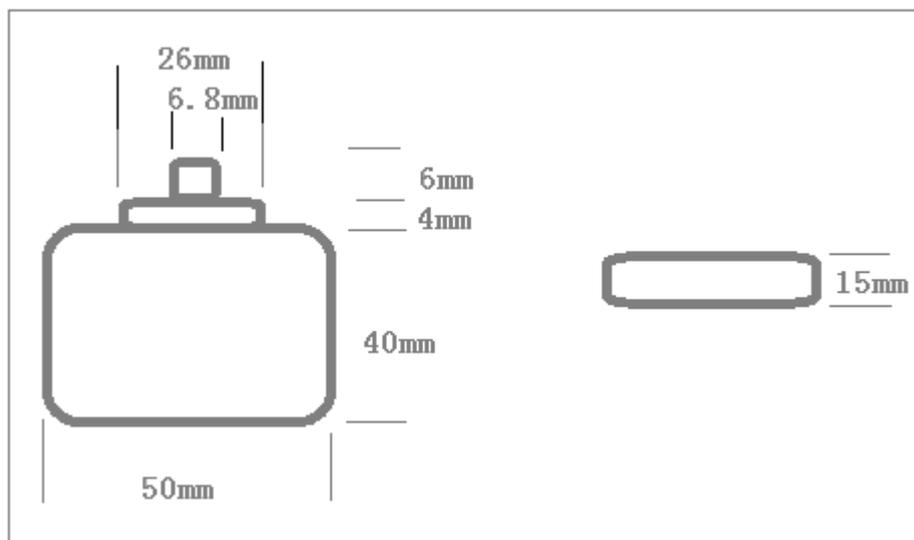
Table 2 - Current Consumption

4.3 Operating Distance

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
OD	Tag size more than 20mm	Measured from the reader bottom	0	50	60	mm

Table 3 - Operating Distance

5. Layout



6. Legal information

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