Adaptable 4 and 7 bytes UID for RFID/NFC chip

Scan the UID and result same with NFC phone

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, Hotel, meeting attendance, visitor attendance

5) Secure printing

6) Point of sale

7) Membership applications

Ordering information:

Model No.: ER200L

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1. Special Features

- Contactless USB NFC reader
- Act as a HID keyboard device
- Supported: MIFARE®1k, MIFARE®4k, MIFARE Ultralight®, NTAG203,Desfire
- Output 4 or 7bytes of chip 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 ×50×15(mm)
  - Operating temperature: -10 ~50 ℃
  - Storage temperature: -20~70 ℃
  - Relative humidity: up to 95%
  - Weight: 15g

2. Output mode

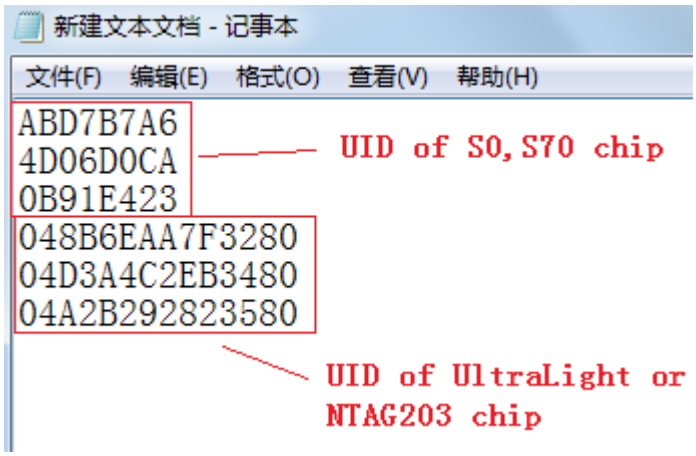
The ER200L is a NFC reader which can read MIFARE®1k, MIFARE®4k, MIFARE Ultralight®, NTAG203 NFC tags. This reader acts as a USB HID keyboard device.

When ER200L is deployed, no software is needed. It uses standard USB drivers supplied by the operating system such as Windows, Macintosh Android , ios and Linux .

The ER200L reader can read the supported cards and print the card's UID as 8 or 14 Chars(Hexdecimal format) and then end with "**Enter**" Key.

The output result is same with the NFC smart phone scanning.

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.

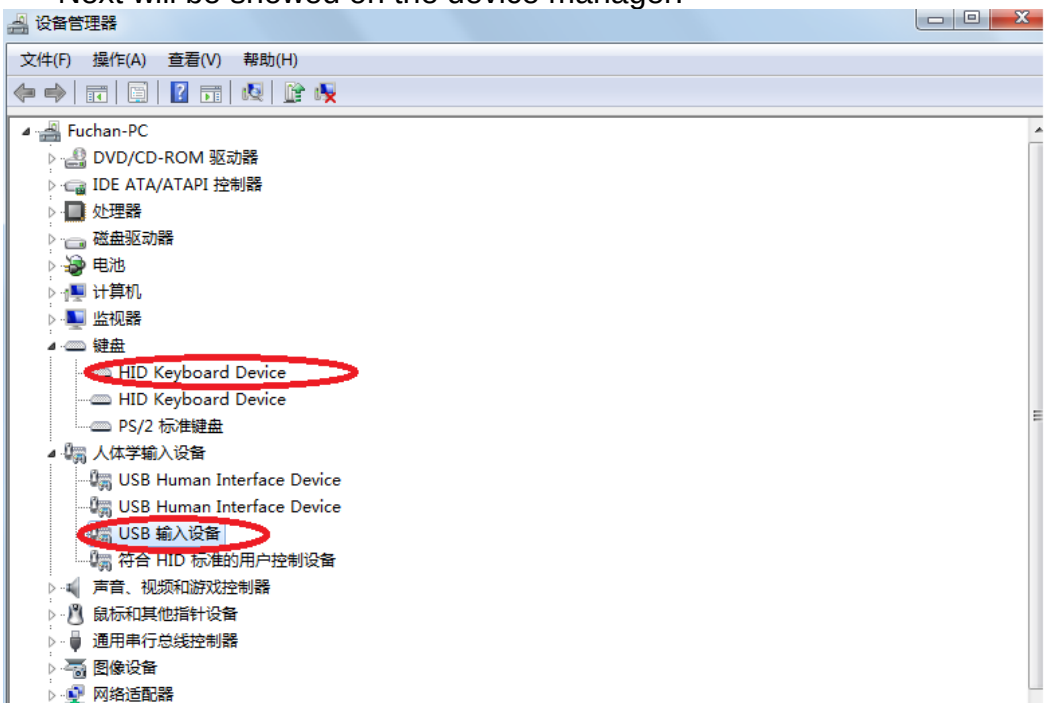
Then the pad will recognize it as HID keyboard device. Next the red led in the reader will flash per second to show that it is ready for scanning the tags.

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 .

When plug the ER200L reader to the PC’s USB port(use a usb converter), the system will recognize it as HID keyboard device.

When plug the device to the usb port, the system will know it.

Next will be showed on the device manager:



It may show different with different system.

After installation successfully, open “Excel “ or other application program to read the RFID Tag and the tag’s UID 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	℃
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

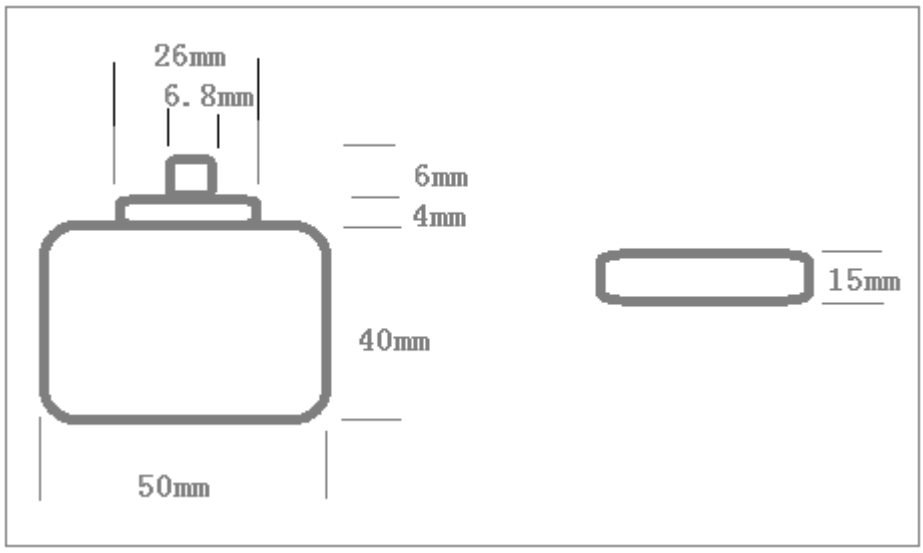
Table 2 - Current Consumption

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



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