→**Strike the keyboard for you when it sniffing the tag!**

No Programming Required!

No Software 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) **Point of sale**
6) **Membership applications**

Ordering information:

Model No.: YHY101U

Contact Information:

EHUOYAN Technology Co., Ltd.
Tel: +86 -010-59870151
 Fax: +86 -010-59754725
email: mailto:info@ehuoyan.com
WebSite: http:/www.ehuoyan.com

1．Special Features

- Contactless USB smart card reader

- Act as a HID keyboard device

- Supported card: TK4100，EM4001 and compatible cards

- Output 10 decimal digits Card serial number, UID only

- No programming required

- Built in transceiver antenna

- Frequency: 125KHz

- Typical time to read cards：<100ms

- Communication interface: USB

- Power supply ：DC 5V, USB BUS power

- Dual LED indicator, red and green led

- Support OS: Windows, Unix, Linux, Android, iOS

- Mechanic and environmental characteristics:

    - Dimensions: 10.8cm×7.8cm×2.8cm

    - Operating temperature: 0 ~50 ℃

      - Storage temperature: -10~70 ℃

    - Relative humidity: up to 95%

    - Weight: 8g

2. Output mode

The YHY101U is a RFID reader which can read TK4100，EM4001 and compatible RFID tags. This reader acts as a USB HID keyboard device.

When YHY101U is deployed, no software is needed. It uses standard USB drivers supplied by the operating system such as Windows, Unix and Linux.
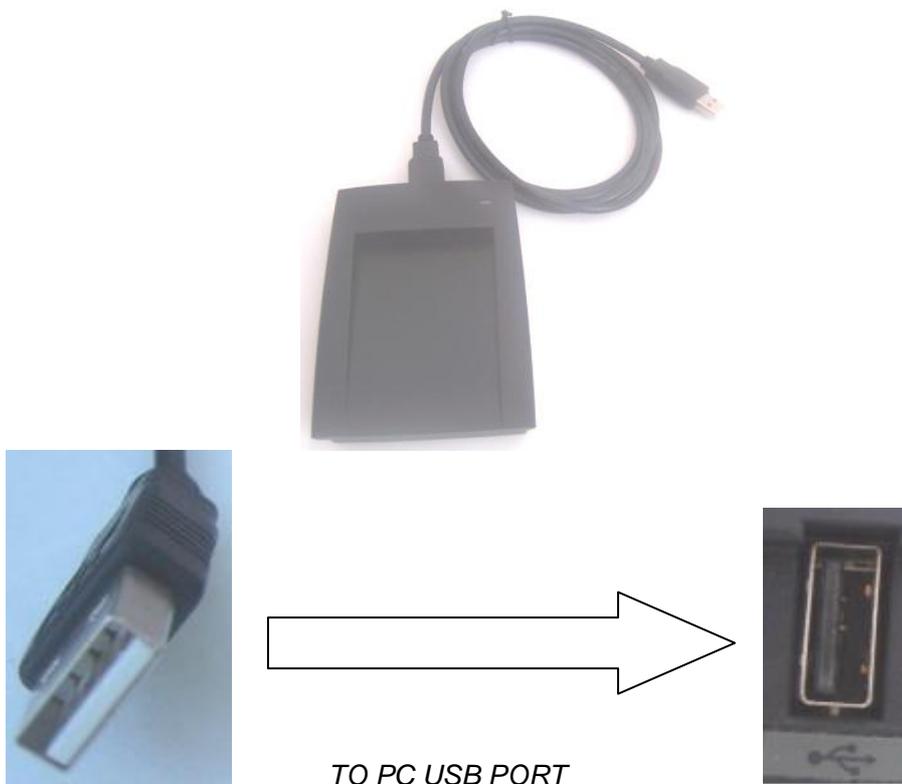
The YHY101U reader can read the supported cards and print the card's serial number as 10 digits(Decimal format) and then end with "**Enter**" Key.

Example：

idtest - 记事本
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)
1233536621
2382008245
2633987845
0473957900
2639024299

3. Device Connect

Plug the USB port to the PC USB port, after power on the red and green led will flash one time,at last the red on and the beep one time, it means that the reader is ready.
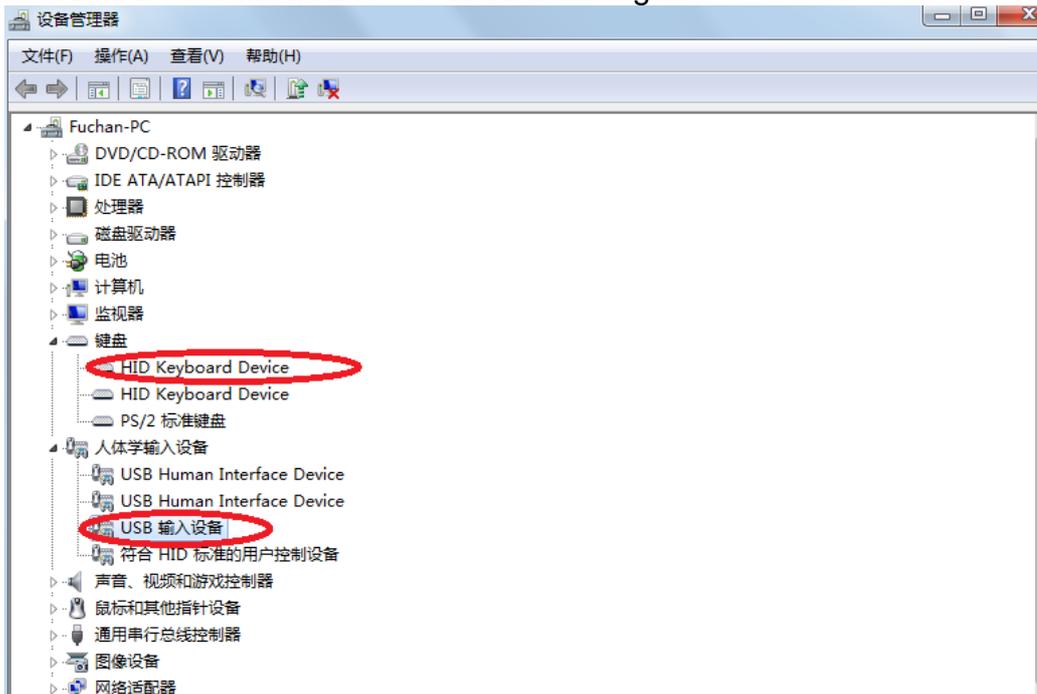

TO PC USB PORT

When pluging the YHY101U   reader to the PC's USB port, the system will recognize it as a 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 difference in different system.

After the 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		0	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	-	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	10	60	80	mm

Table 3 - Operating Distance

5. Legal information

5.1.Disclaimers

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