

RfidLoginer™ **Ideal for Secure Password Login!**
Strike the password for you when it sniffing the tag!



Do not worry about forgetting your password!

It is a smart contactless password loginer!

It is a contactless RFID keyboard!

Just Plug and Play!

Applications:

- 1) PC, internet secure password login**
- 2) Employee identification**
- 3) Time and attendance**
- 4) Form filter to existing software applications**
- 5) Library, Hoteling, meeting attendance, visitor attendance**
- 6) Secure printing**
- 7) Point of sale**
- 8) Membership applications**

1. Special Features

- Contactless USB RFID reader
- Act as a HID keyboard device
- Up to 4 secure factors
- Up to 46 keys space
- Frequency: 13.56 MHz
- Typical time to read tags: <100ms
- Communication interface: USB
- Power supply : DC 5V, BUS power
- Blue LED indicator
- Support OS: Windows, Macintosh, Linux
- Mechanic and environmental characteristics:
 - Dimensions: 63 ×18×8 (mm)
 - Operating temperature: -10 ~60 °C
 - Storage temperature: -20~85 °C
 - Relative humidity: up to 95%
 - Weight: 8g

2. Output mode

The YHY201A is a RFID reader. This reader acts as a USB HID keyboard device. This is the basis for using it as a password entry device. There is no extra software needed for YHY201A, the user can just use it as a keyboard.

When YHY201A is deployed, no software is needed. It uses standard USB drivers supplied by the operating system such as Windows, Macintosh and Linux.

When you need to login to your computer or secure web, simply wave your RFID tag across the RfidLoginer while the cursor is in the password field. The reader sends keystrokes to the PC and, if valid, the login takes place. Every login operation will be end with “**Enter**” key.

Before using the RFID tags, the user needs the writer to write login information into the tags.

YHY201A reader can strike up to 46 keys of the string written in the user tags.

Active Keys:

!'#\$%&'()*+,-./0123456789:;<=>?@ABCDEFGHIJKLMNPOQRSTUVWXYZ[\]^_`a
bcdefghijklmnopqrstuvwxyz{|}, **TAB, Enter.**

Example1: Password login



Example2: User Name and Password login (2 secure factors)



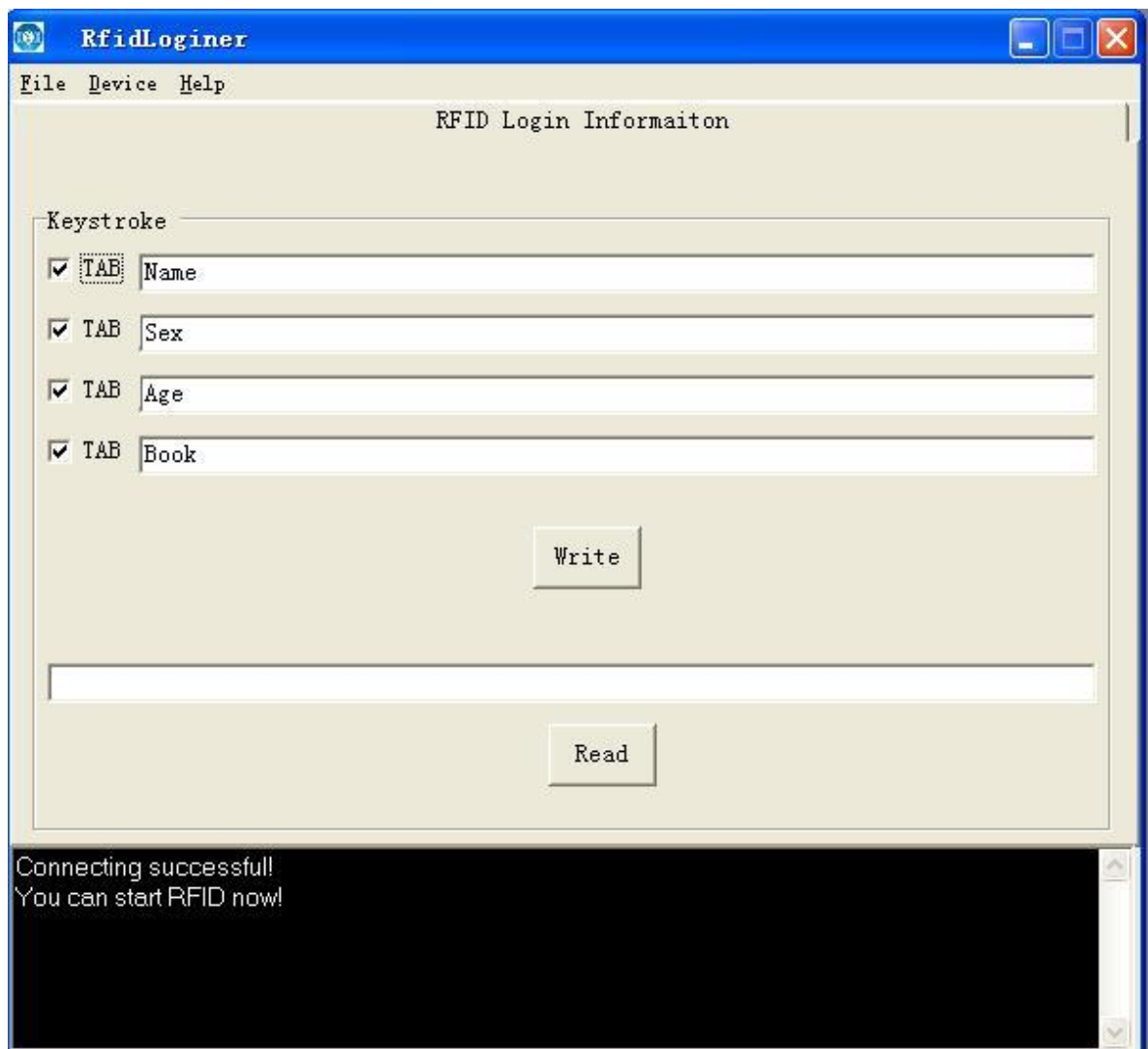
Example3: Web link

Web string: <http://www.ehuoyan.com/>

When the cursor show on the IE input block, just wave your RFID tag above the RfidLoginer, then it will goto the link you wrote.



Example4: Library Login



Example5 and more: *More ideas you can do!*

More information please reference the user guide.

3. Device Connect

Plug the USB port to the PC USB port.

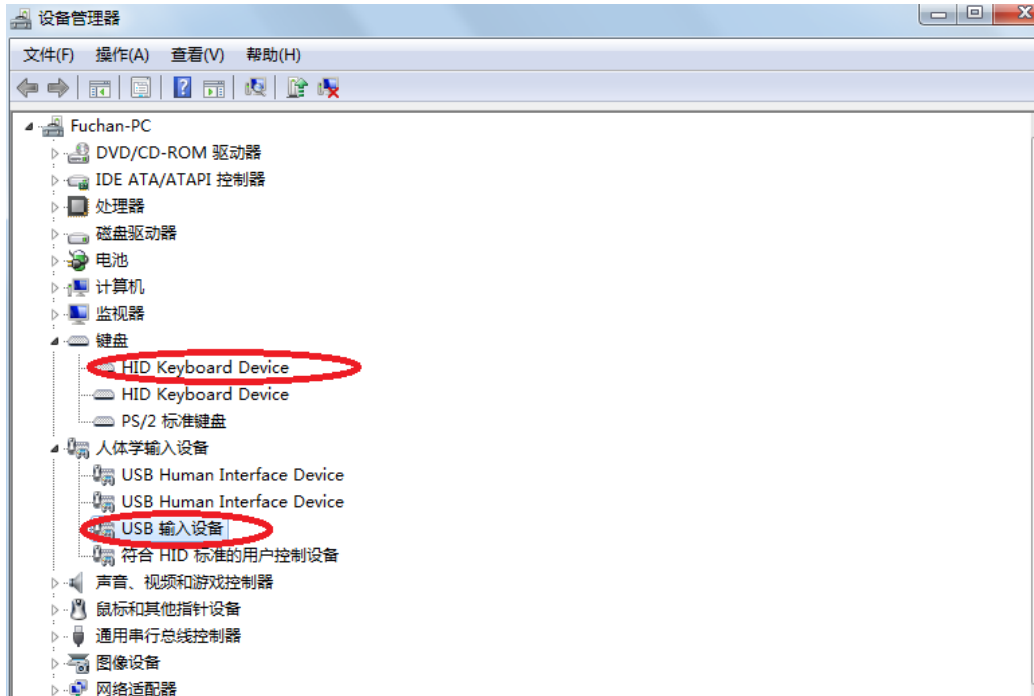


When plug the YHY201A reader to the PC's USB port, the system will recognize it as HID keyboard device.



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

Next will be showed on the device manager:



It may show difference with different system.
 After power on the blue LED will flash, it means that the reader is ready.
 More information please reference the user guide.

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	60	°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	-	35	50	mA

Table 2 - Current Consumption

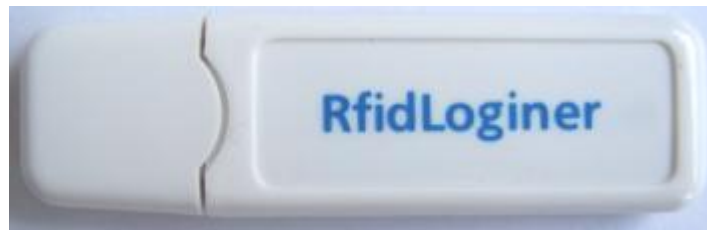
4.3 Operating Distance

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
OD	Tag size more than 20mm	Measured from the reader bottom	10	20	25	mm

Table 3 - Operating Distance

5. Layout

Top view:



Bottom view:



Side view:



Package:



SIZE: 95(L)*46(W)*22(H) mm

6. Ordering information

Item No.	Description
YHY201A	RfidLoginer™ USB DONGLE

7. Legal information

7.1. Disclaimers

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For sales office addresses, email to: info@ehuoyan.com



Contact Information:

EHUOYAN Technology Co., Ltd.

Tel: +86 -010-59870151

Fax: +86 -010-59754725

email: <mailto:info@ehuoyan.com>

WebSite: <http://www.ehuoyan.com>

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