

# Mifare Desktop Reader & Writer

**Model: 5588RW**

**Version 1.00**

## **User Manual**



**KEYKING GROUP**

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## 1. Hardware function:

The 5588RW should be a desktop reader & writer of Mifare Smart card, which can support these cards with S50, S70 chips.

Model	Description (Support standard)	Mark
5586RW-1	ISO14443A	Default
5586RW-2	<ul style="list-style-type: none"> <li>● ISO14443B</li> <li>● Feilica (TYPE-C)</li> </ul>	Support Chinese 2# identify
5586RW-3	ISO15693	
5586RW-X	All, including ISO14443A, ISO14443B, TYPE-C	

### Features:

- Power:
  - ◆ +5VDC (± 5%)
  - ◆ Current: <120 mA
- Communication
  - ◆ RS232
- Support
  - ◆ ISO14443 Type A
  - ◆ ISO14443 Type B
  - ◆ ISO14443 Type C
  - ◆ ISO15693
- Support Cards:

	Factory	SN	Read	Write	Lock Data	Common Command
<b>ISO14443A</b>						
Mifare® Std	Philips	✓	✓	✓	✓	✓
Mifare® Ultralight	Philips	✓	✓	✓	✓	✓
MF1 IC70	Philips	✓	✓	✓	✓	✓
Mifare® Prox	Philips	✓				✓
DESFire	Philips	✓				✓
SHC1102	华虹 HuaHong	✓	✓	✓	✓	✓
<b>ISO14443B</b>						
AT88F020	ATMEL	✓	✓	✓	✓	✓
SR1X4K	ST	✓	✓	✓	✓	
SR176	ST	✓	✓	✓	✓	
Chinese 2# identify	华虹 HuaHong	✓				✓

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ISO14443C						
Feilica	SONY	✓				✓
ISO15693						
EM4135	EM	✓	✓	✓	✓	✓
I-CODE 2	Philips	✓	✓	✓	✓	✓
Tag-it	TI	✓	✓	✓	✓	✓
My-D	infineon	✓	✓	✓	✓	✓

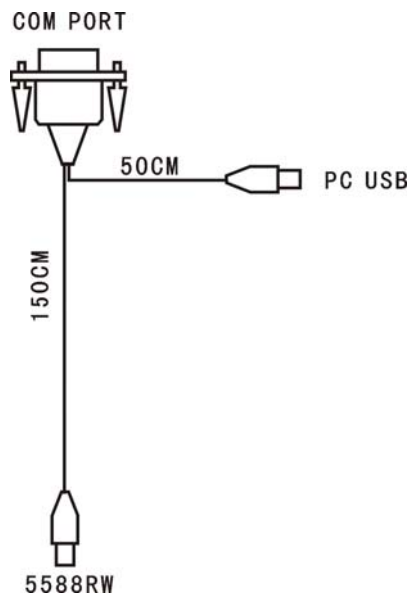
- Antenna
  - ✧ Resistance: 50 ohm
  - ✧ Operation distance: 70mm (Data Card) , 40mm (CPU Card) , >100mm (15693 card)
- Status Indication:
  - ◆ 2\*LED
  - ◆ 1\*Buzzer
- Temperature
  - ◆ Operating Temperature: -10° C to +70° C
  - ◆ Stock Temperature: -20° C to +80° C
  - ◆ Humidity: 0 - 95%

Protection Level: IP65



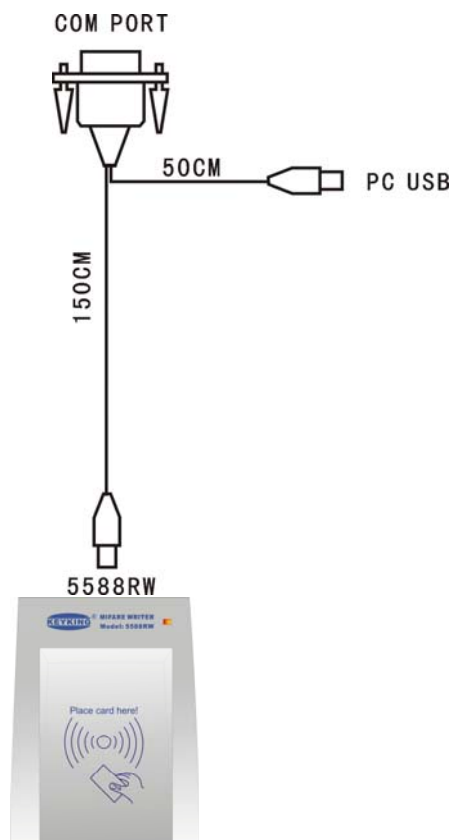
Image-1 5588RW

## 2. RS232 Cable:



## 3. Diagram:

### 3.1 Diagram for 5588RW



### 3.3 RS232 interface

DB9 Pins	Description		Mark
	中文	English	
1			
2	RX	RX	
3	TX	TX	
4			
5	GND	GND	

### 3.4 Power Supply

Input Voltage: 5VDC

**Caution:** 5588RW will use the power supply from USB of computer, need no extend power supply.

### 4. LED Indication:

- The LED will be controlled by application. Please refer to the API interface of 5586RW.

### 5. Connect to PC:

