



KEYKING GROUP

Integrated Security Solutions

Language: ENG

产品说明书
User Manual

5588U-U Desktop Reader



Designed by KeyKing in Israel

The key to your peace of mind...

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Chapter 1 Summary

1.1 Foreword

- USB port has taking place of COM serial port in most PC.
- It always requires SDK or communication protocol during the secondary development.
- This product owns high penetration rate of the market, the similar products of the market can not totally match our cards. It's hard to choose a data format.

1.2 Features

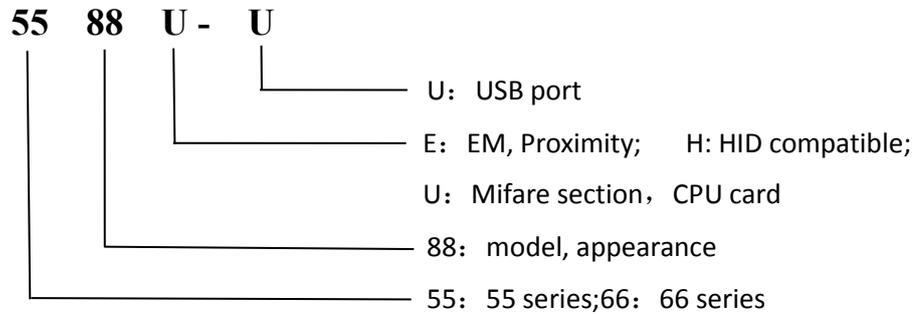
- Easy to be used, need to install no driver, USB plug and play.
- Cursor output, no need for integrated development. Almost fit any circumstance.
- Good compatible, support windows, LINUX, etc operating system.
- Directly get power from USB port.

1.3 Application Fields

- Access control: Card enroll
- Attendance check: Card enroll
- Library service: Card enroll
- Any other system which require card enroll

Chapter 2 Model Description

2.1 Model



Specification:

- USB port Desktop Reader
- Proximity Reader
- Desktop Reader

Communication:

- USB port
- Directly send to windows cursor place

Card type:

This model series can work under the following communications: RS485, TCP/IP. Customers can choose each communication based on your requirement. Here is how to operate:

- E: EM, ID card, Proximity card, EM4100, etc compatible chips; 125KHz
- H: HID card, 1326,1386
- U: (A) Mifare: IC card, S50 chip; (B) CPU card: KK1208M1, 13.56MHz

Installation:

D: Desktop

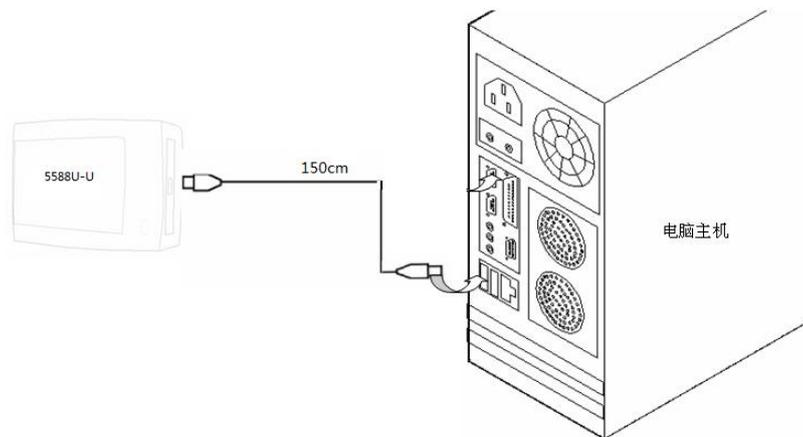
Desk type: Can be used on the table

Feature: Easy to be installed, flexible to be used

2.2 Packing List

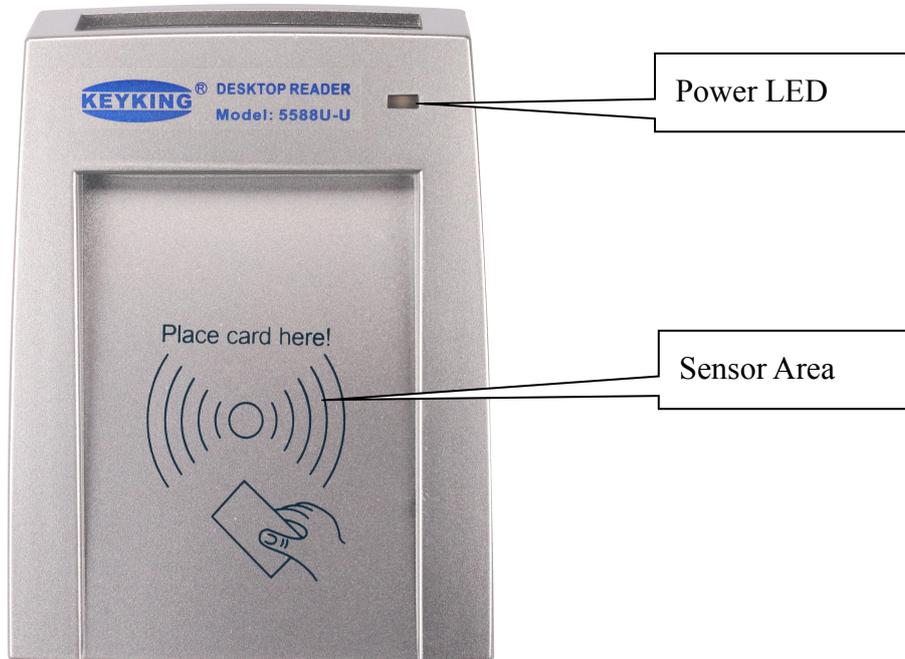
Model name	Model	Packing List		
		product	Name	quantity
Deaktop Reader	5588U-U		Deaktop Reader	1
			Standard USB Cable	1

2.3 Connection Graph



Chapter 3 Specification

3.1 Surface



3.2 Hardware configuration

Model		5588E-U	5588H-U	5588U-U
	Supported card	EM4100 series	1326, 1386	Mifare Series, S50, KK1208
	Working frequency	125KHz	125KHz	13.56Mhz
	Reading protocol	Manchester code	HID protocol	ISO14443-A
	Read speed	<0.2S		
	Sensor area	<30mm		
	Communication distance	1M		
Port	Communication port	USB		
	Expand port	N/A		
Environment	Working temperature	-30° C to 65° C (-22° F to 150° F)		
	Humidness	5--95%, no condensation state		
Electricity	Power	DC5V, USB power share		
	Power consumption	0.1W		
Appearance	Measurement	289mm L x 182mm W x 92mm H		
	Weight	1150g		

Chapter 4 Format and Standard

4.1 Format Specification

“H” means Hex.

“D” means Decimal.

NO.	Format	Wiegand	Description	Instance	
				HEX	Decimal
1	8H10D	WG34	To switch 8 bytes hex to 10 bytes decimal	3B4AF56E	0994768238
2	6H8D	WG26	To switch 6 bytes hex to 8 bytes decimal	4AF56E	04912494
3	8H5D,5D	WG34	To switch both high and low byte of 8 bytes hex to 5 bytes decimal, separated by TAB	3B4AF56E	15178 62380
4	6H3D,5D	WG26	To switch 6 bytes hex high byte to 3 bytes decimal, and low byte to 5 bytes decimal, separated by TAB	3B4AF56E	74 62380
5	8H	WG34	4 bytes, hex output	3B4AF56E	
6	6H	WG26	3 bytes, hex output	4AF56E	

4.2 F1 DIP Switch Configuration

DIP Switch	State	Function Description
DIP 1	OFF	Disable Enter
	ON	Enter at the end of number
DIP 2	OFF	Format selector
	ON	Format selector
DIP 3	OFF	Format selector
	ON	Format selector
DIP 4	OFF	Format selector
	ON	Format selector

DP1: Enter at the end of number(Auto Enter Selection)

DP2: Format Selection.

DP3: Format Selection.

DP4: Format Selection.

DIP Switch default setting:

Switch	State	Description
DIP 1	OFF	Disable Enter
DIP 2	OFF	8H5D,5D, Site Code + Card Number
DIP 3	ON	8H5D,5D
DIP 4	OFF	8H5D,5D

Dip Switches Setting:

Output Format	Standard	Position/State		
		DIP 2	DIP 3	DIP 4
Decimal, 4 bytes	8H10D	OFF	OFF	OFF
Decimal, 3 bytes	6H8D	ON	OFF	OFF
W34, 4 bytes	8H5D,5D	OFF	ON	OFF
W26, 3 bytes	6H3D,5D	ON	ON	OFF
HEX, 4 bytes	8H	OFF	OFF	ON
HEX, 3 bytes	6H	ON	OFF	ON
N/A	N/A	OFF	ON	ON
N/A	N/A	ON	ON	ON

Chapter 5 5588U-U Operations

5.1 Configuration in Sphinx

Steps:

- Connect 5588U-U.
- Run Sphinx.
- Go to “Hardware-Communication Configuration-Desktop Reader”, choose the format you want.
- Setup DIP Switch as below instructions.
- Go to Personnel Information to give user cards.
- Done.

5.2 Wiegand Format

Wiegand	Standard Description	Example	DIP Switch State		
			DIP2	DIP3	DIP4
W34,4Bytes	8H5D,5D	07206 15418	OFF	ON	OFF
W26,3Bytes	6H3D,5D	038 15418	ON	ON	OFF

Switch your DIP according to the wiegand format that you are using, it can be set as wiegand 34 or wiegand 26. The default setup for wiegand is wiegand 34, if you are going to use this format, then you do not have to do the following steps:

Steps:

- Take out the PADs and the screws.
- Put the DIP switches as above.

5.2.1 Sphinx setup for Desktop Reader in wiegand format

Start sphinx, click “Setup” and choose “Communication Configuration”, as shown:



Figure 5-2-1

When the “communication configuration” box appears, we select “Desktop Reader & Card number format” bar, as shown:

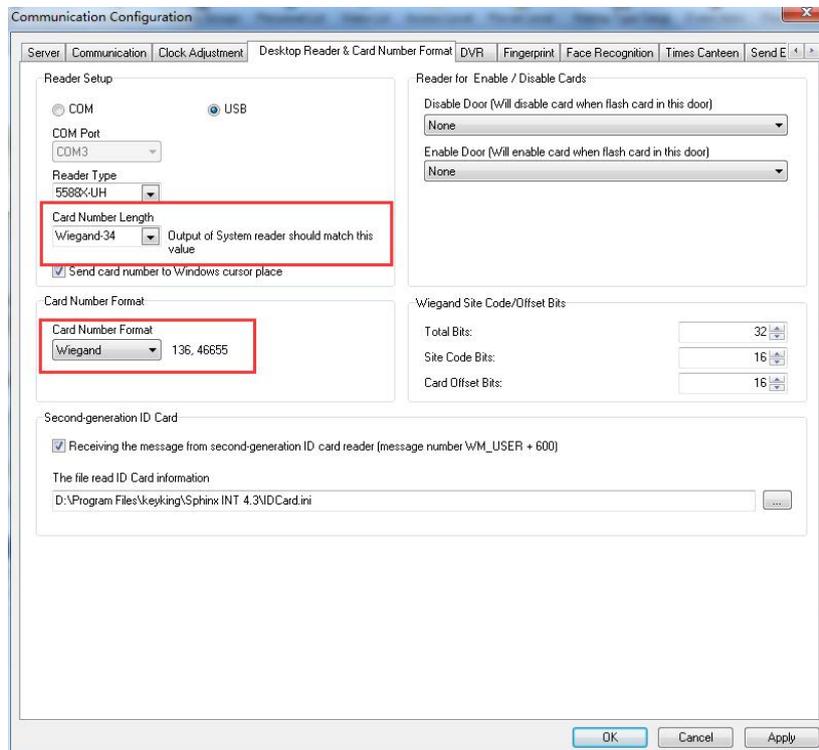


Figure 5-2-2

In this case, We also provide two selections in “Card Number Length”, wiegand 26 and wiegand 34. The default setup is wiegand 34, you can change this setup if you want. But remember to turn on/off the DIP switch to the right state.

5.2.2 Sphinx card dispense procedure

Start sphinx, click “Setup” on the menu and choose “Cards-personnel List”. As shown:



Figure 5-2-3

In the “Personnel List” interface, we click “Add a Personnel”, then we’ll see the “Personal information” box, as shown:

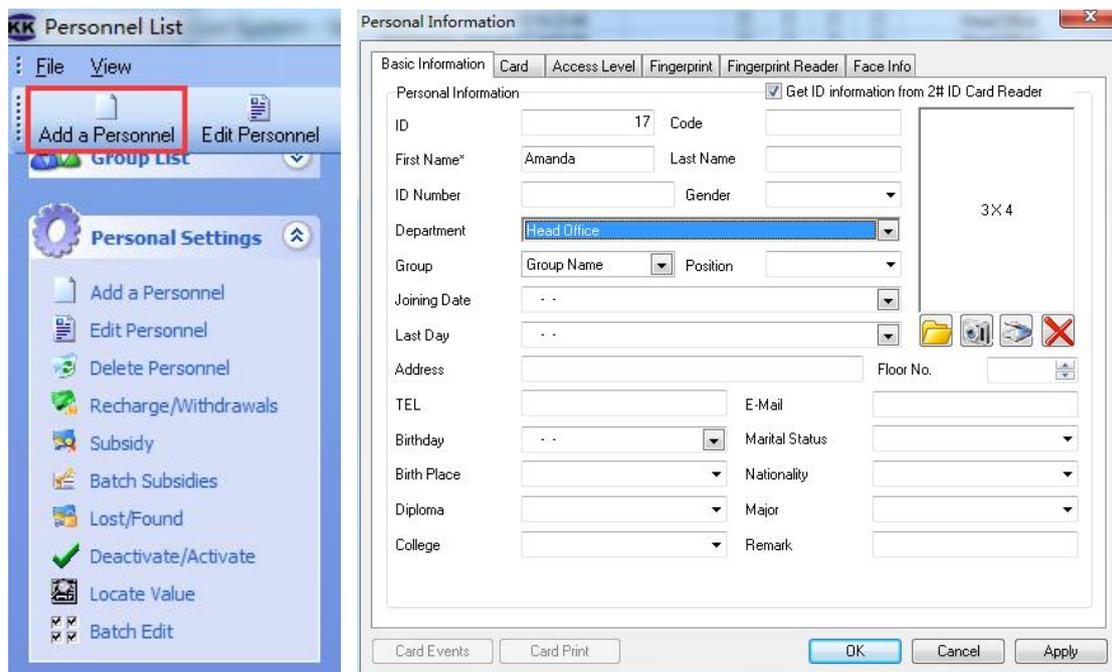


Figure 5-2-4

After finishing the necessary information of “First Name, ID, Department” etc. we should select the “Card”bar .

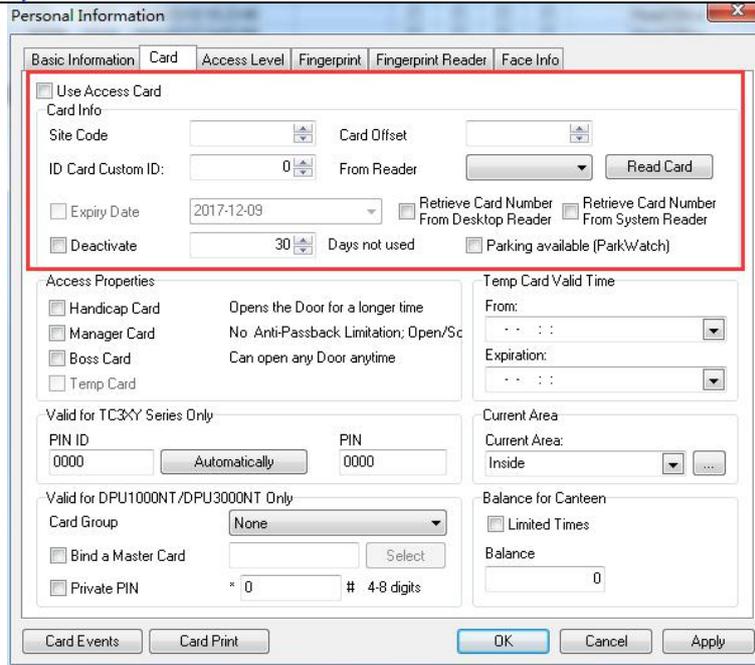


Figure 5-2-5

Tick the “Use Access Card” “Retrieve Card Number From Desktop Read” and “Retrieve Card Number From System Reader”. Then delete the number which is in the blank of “Card Sector”. Focus your mouse cursor in the blank.

Now place your card on the Desktop Read then you will get your “Card Sector” and “Card Offset” number as shown:

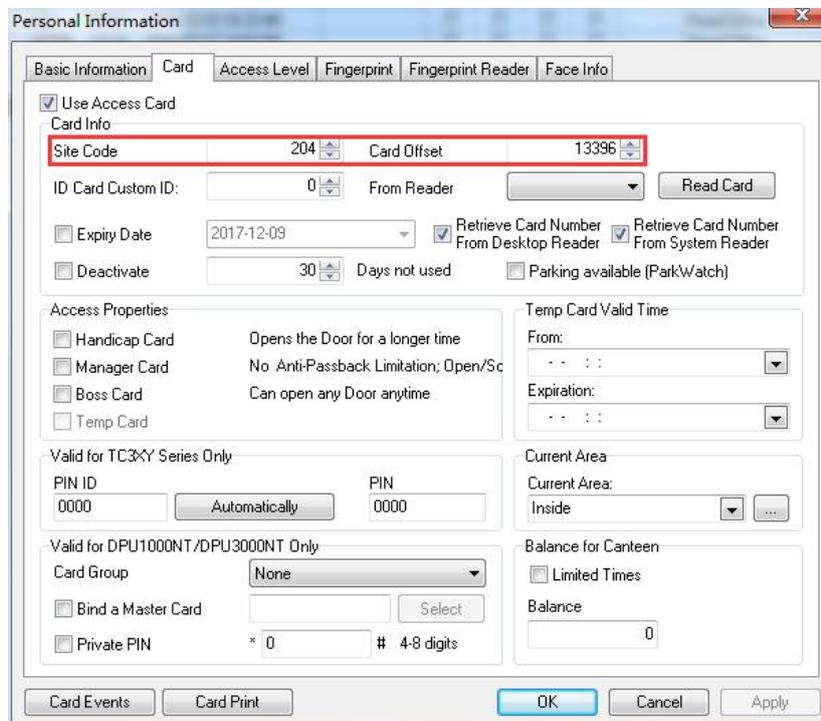


Figure 5-2-6

5.3 Decimal Format

Decimal	Standard Description	Example	DIP Switch State		
			DIP2	DIP3	DIP4
Decimal, 4bytes, W34	8H10D	0472267834	OFF	OFF	OFF
Decimal, 3bytes, W26	6H8D	02505786	ON	OFF	OFF

Steps:

- Take out the PADS and the screws.
- Put the DIP switches as above.

5.3.1 Sphinx setup for Desktop Reader in Decimal format

Start sphinx, click “Setup” and choose “Communication Configuration”, as shown:

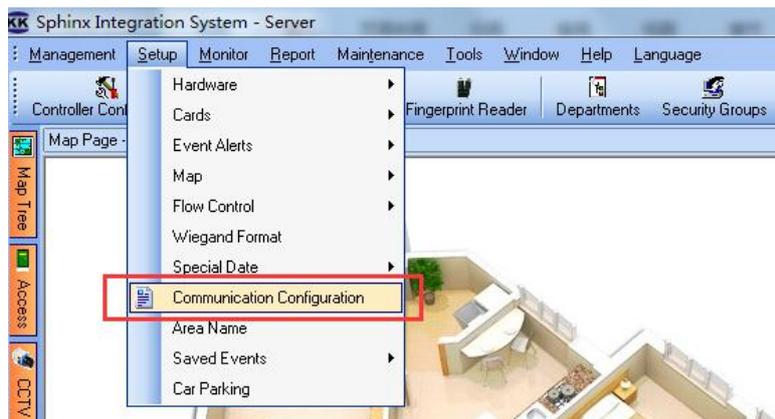


Figure 5-3-1

When the “communication configuration” box appears, we select “Desktop Reader & Card number format” bar, as shown:

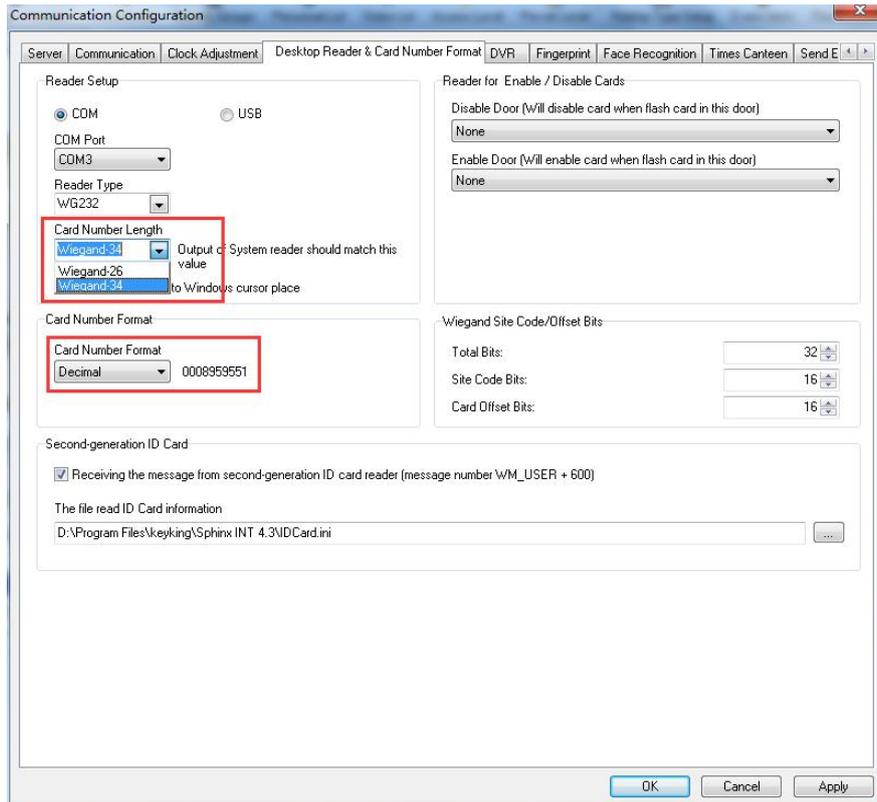


Figure 5-3-2

In this case, We also provide two selections in “Card Number Length”, wiegand 26 and wiegand 34. The default setup is wiegand 34, you can change this setup if you want. But remember to turn on/off the DIP switch to the right state.

5.3.2 Sphinx card dispense procedure

Start sphinx, click “Setup” on the menu and choose “Cards-personnel List”. As shown:



Figure 5-3-3

In the “Personnel List” interface, we click “Add a Personnel”, then we’ll see the “Personal information” box, as shown:

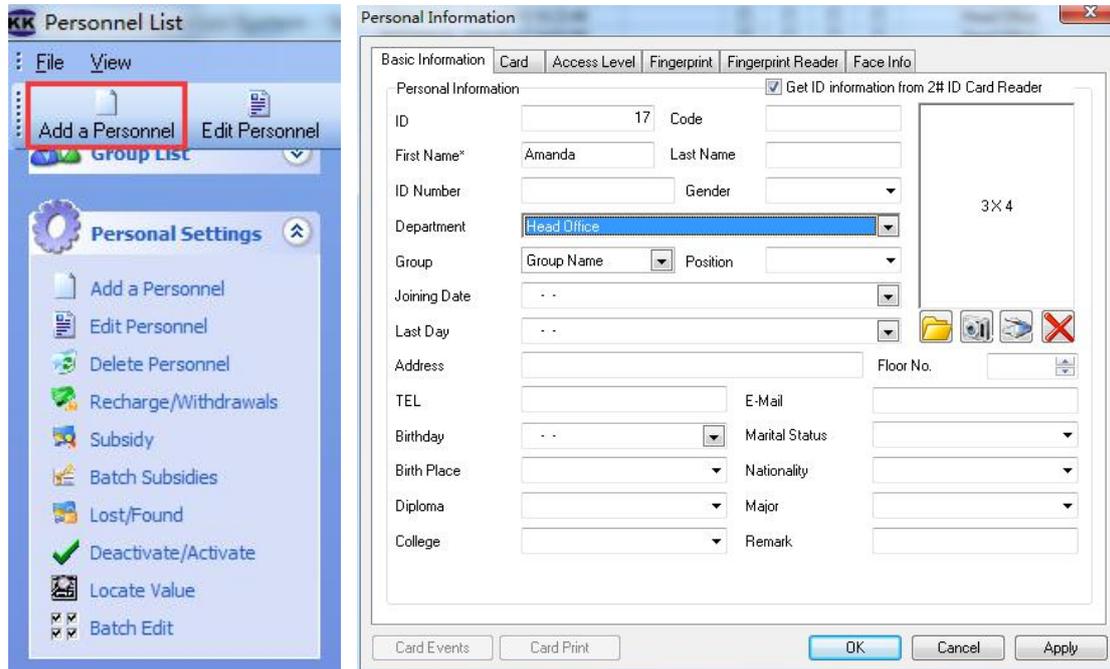


Figure 5-3-4

After finishing the necessary information of “First Name, ID, Department” etc. we should select the “Card”bar .

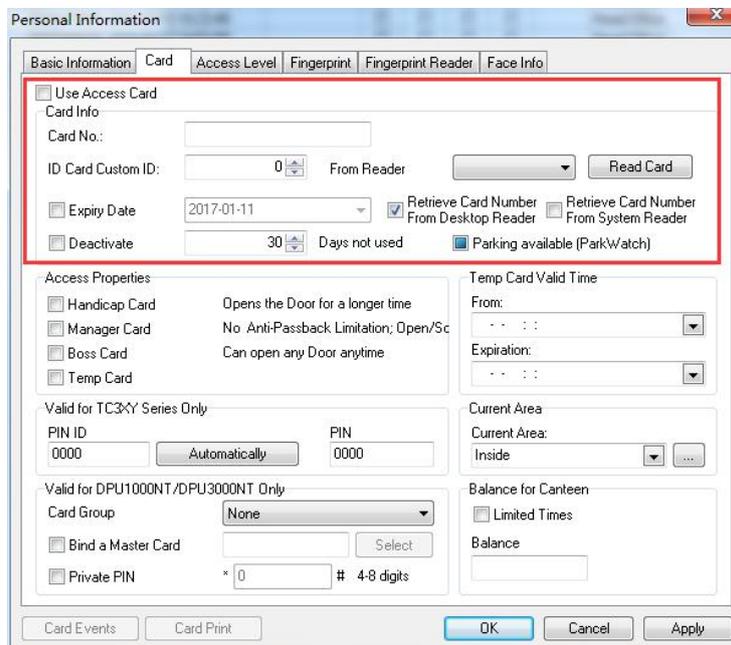


Figure 5-3-5

Tick the “Use Access Card” “Retrieve Card Number From Desktop Read” and “Retrieve Card Number From System Reader”. Focus your mouse cursor in the blank as shown:

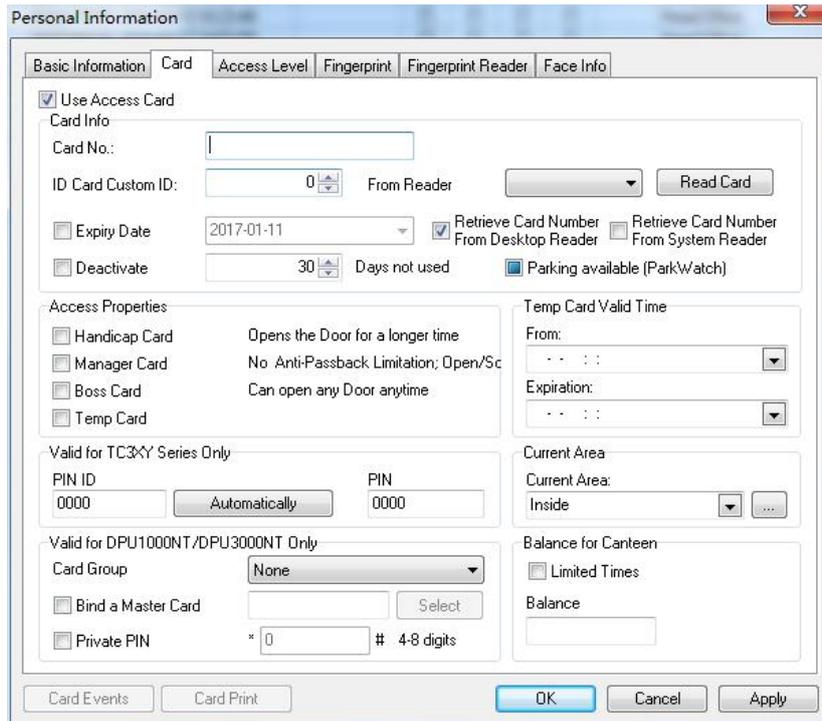


Figure 5-3-6

Now place your card on the Desktop Read then you will get your card number as shown:

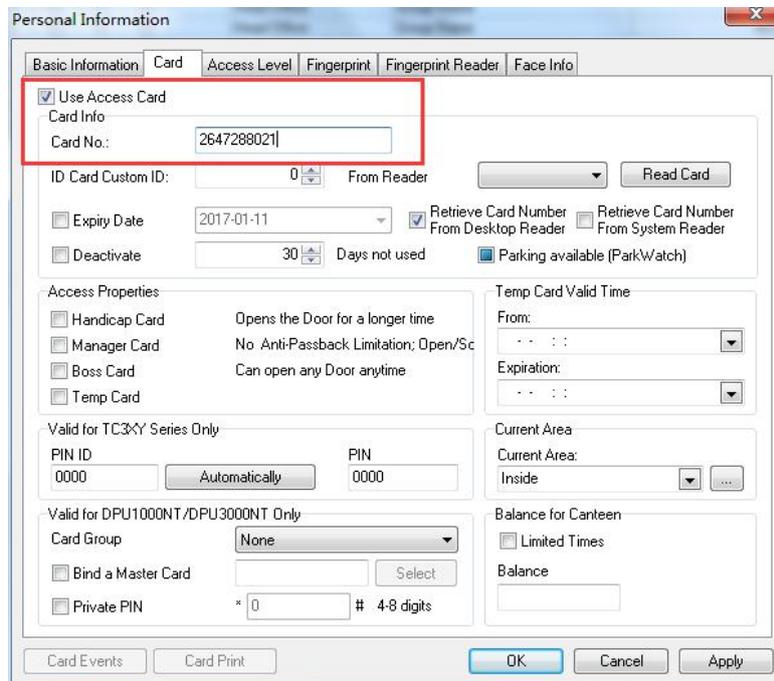


Figure 5-3-7

5.4 HEX Format

HEX	Standard Description	Example	DIP Switch State		
			DIP2	DIP3	DIP4
HEX 4bytes W34	8H	1C263C3A	OFF	OFF	ON
HEX 3bytes W26	6H	263C3A	ON	OFF	ON

Steps:

- Take out the PADS and the screws.
- Put the DIP switches as above.

5.4.1 Sphinx setup for Desktop Reader in HEX format

Start sphinx, click “Setup” and choose “Communication Configuration”, as shown:

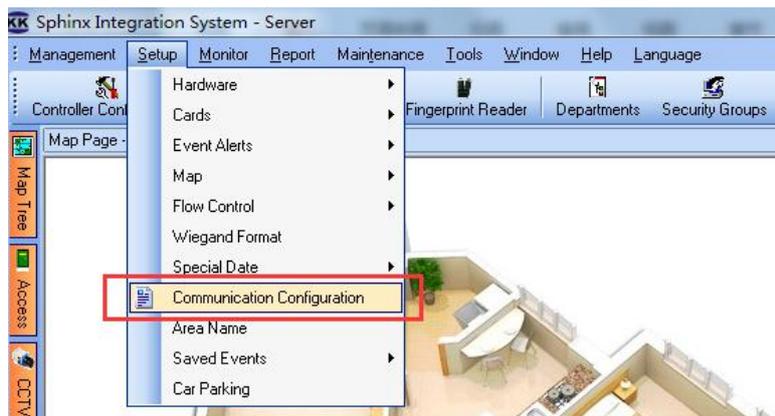


Figure 5-4-1

When the “communication configuration” box appears, we select “Desktop Reader & Card number format” bar, as shown:

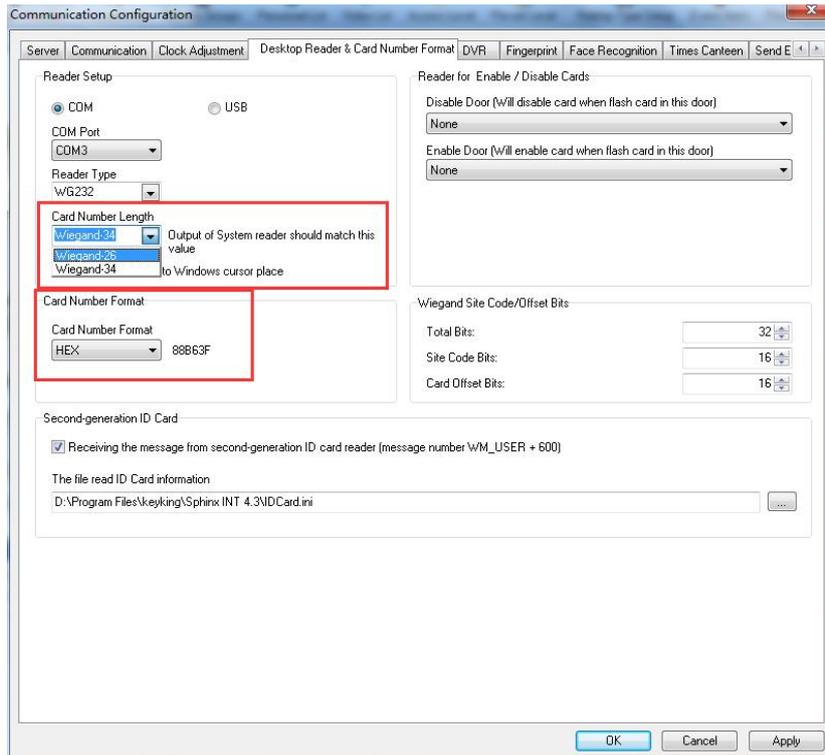


Figure 5-4-2

In this case, We also provide two selections in “Card Number Length”, wiegand 26 and wiegand 34. The default setup is wiegand 34, you can change this setup if you want. But remember to turn on/off the DIP switch to the right state.

5.3.2 Sphinx card dispense procedure

Start sphinx, click “Setup” on the menu and choose “Cards-personnel List”. As shown:



Figure 5-4-3

In the “Personnel List” interface, we click “Add a Personnel”, then we’ll see the

“Personal information” box, as shown:

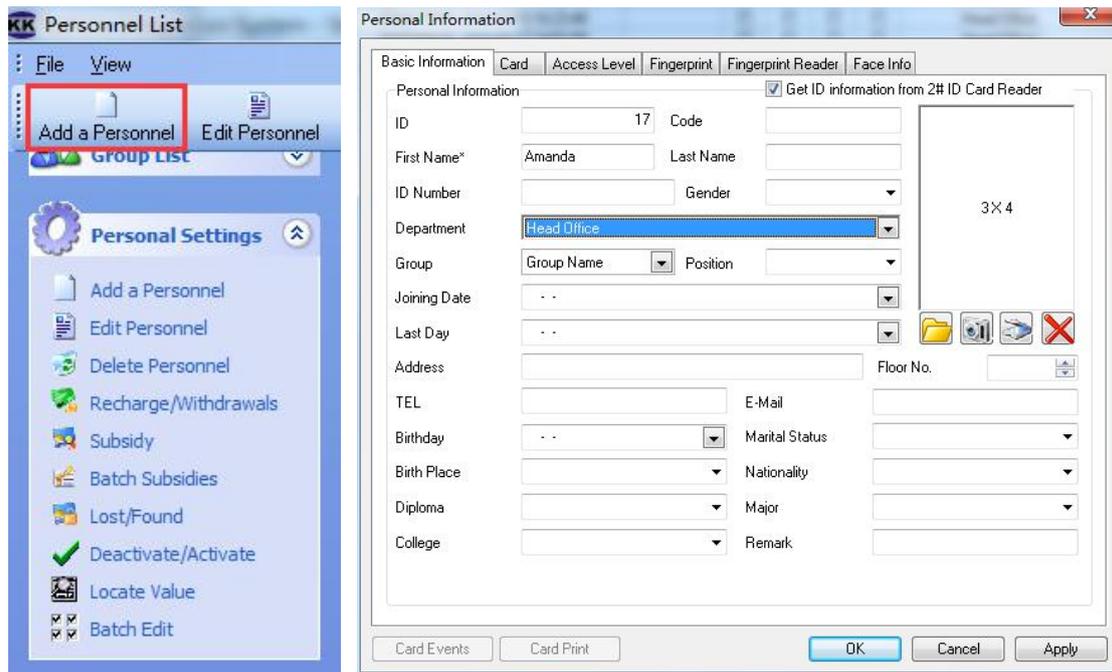


Figure 5-4-4

After finishing the necessary information of “First Name, ID, Department” etc. we should select the “Card” bar .

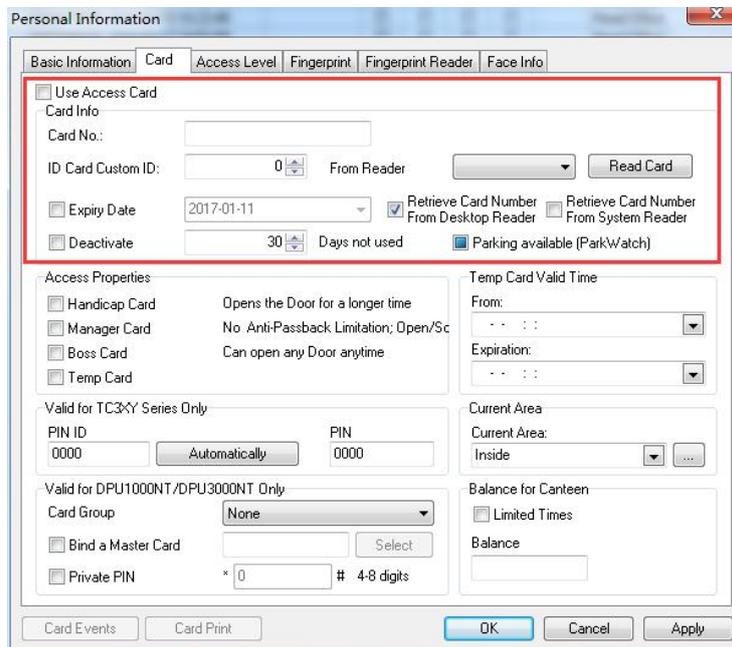


Figure 5-4-5

Tick the “Use Access Card” “Retrieve Card Number From Desktop Read” and “Retrieve Card Number From System Reader”. Focus your mouse cursor in the blank as shown:

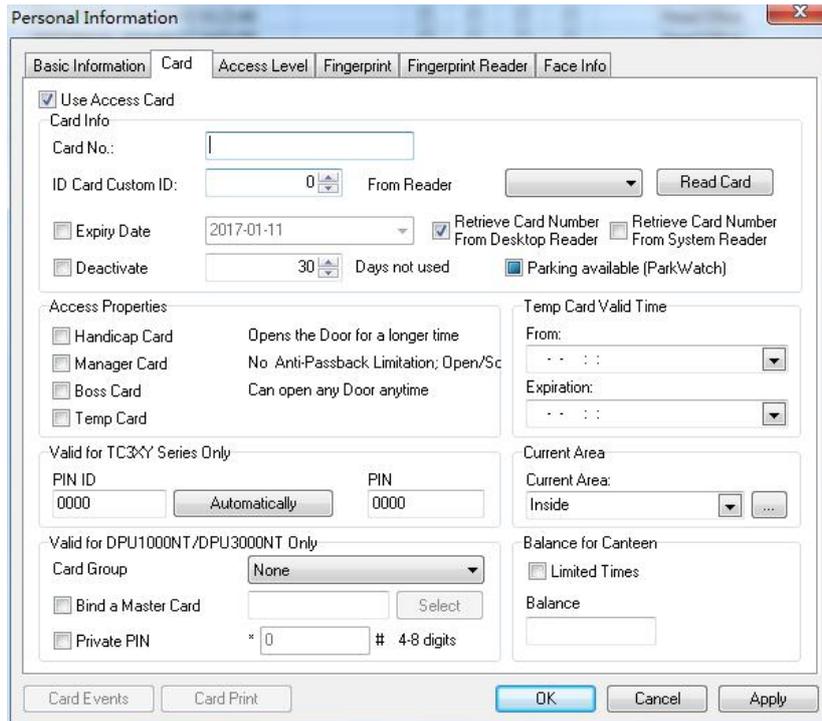


Figure 5-4-6

Now place your card on the Desktop Read then you will get your card number as shown:

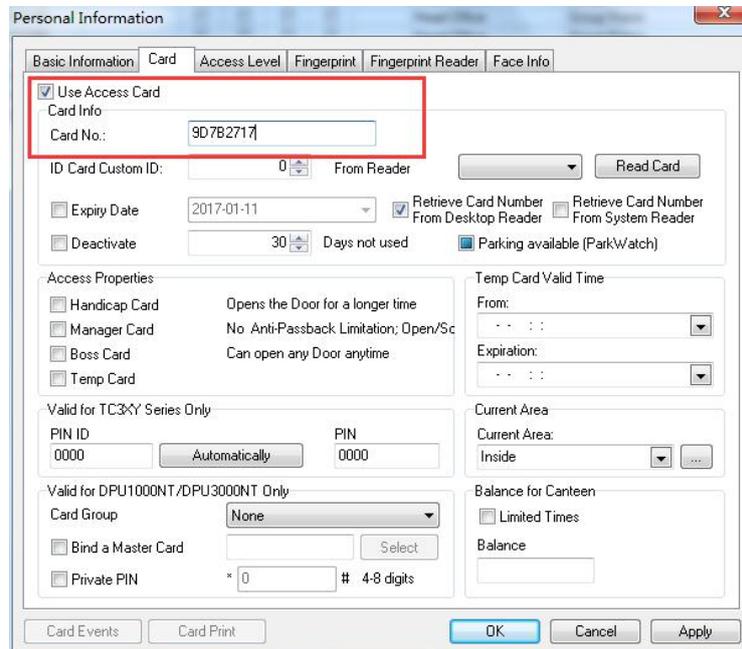


Figure 5-4-7

5.5 Other Application

Steps:

1. Run Word or Excel application.
2. Connect 5588U - U desktop reader.
3. Put the cursor on the position you would like to put card number.
4. Read card, and will get card number.
5. If DIP1=ON, enter will be executed at the end of card number.

Chapter 6 maintenance

Phenomenon	Reason	Solution
Cursor output do not match card number	Selected the wrong format	Try to figure out the printed format of the card, then switch the DIPs to the proper state
Not reading card	Using the wrong model	Choose the right model
	Card model incompatible	Change your card