

Configuration Tool

User Manual



Contents

General Introduction.....	4
Introduction.....	4
Supported devices.....	4
Start to Use.....	4
Configuration User Guide.....	5
1. Main interface.....	5
1) Configuration methods.....	5
2) Language switch.....	5
3) Switch interface.....	5
2. Online device configuration.....	6
1) Device info.....	6
2) Device configuration.....	6
3. Offline device.....	6
4. Configuration interface.....	7
1) Work mode.....	7
2) Scan set.....	9
3) Advanced settings.....	11
4) NFC Card Reading Set: “Swipe”.....	13
5) Network settings.....	15
6) Generate the configuration QR code.....	18
7) Save configuration.....	19
8) Reset the default password.....	19
5. Quick configuration QR code.....	20
1) USB mode.....	20
2) 232 mode.....	21
3) TTL mode.....	22

4) 485 mode.....	23
5) Wiegand mode.....	24
A. Wiegand 26.....	24
B. Wiegand 34.....	25
C. Scanning QR code output format.....	26
6. Universal configuration QR code.....	29
A. Add barcode function.....	29
B. Add enter function.....	30
C. Add linefeed function.....	30
D. Open read card function.....	31
E. Change swipe card output format.....	31
F. Swipe card positive sequence output.....	33
G. Swipe card inverted sequence output.....	34
H. Swipe card output length.....	35
I. Set single mode.....	35
J. Set interval mode.....	36
K. Set scanning code light feedback.....	37
L. Set baud rate.....	38
M. Level change.....	39
N. Restart the device.....	40
Explanation of the Output Format.....	41
Wiegand output format comparison.....	42
FAQ.....	44

General Introduction

Introduction

This software is used for RTX200A/B, RTMU86 ,RT820. Its main functions include:

- ✧ Online device: get the device info and the parameters of the settings, can also modify the settings and interacting with device
- ✧ Connect or save the device configuration settings
- ✧ Generate configuration QR code
- ✧ Language switch

Supported devices

RTX200A/B, RTMU86 ,RT890

Note: When you run this ConfigTool, it's highly recommended to modify the PC's resolution to: 1280*768, so as to show the interface fully.

Start to Use

The software do not need to install, after decompressing the file, double click the ConfigTool.exe iron to run it. Click the language switch (red circle below) and come to the English interface

自动检测产品型号

连接设备 设备状态: 未连接 固件版本号

手动选择产品型号

MX86	QT660	MP86	TX	DW100	EC	C900
QT420	JL7066	JL5066	MC	QT960	MET	ACE90
Q400	MU86	MC10X	QT960J	QT100	MR86	

Online Device

Connect State: Disconnect Version:

Offline Device

MX86	QT660	MP86	TX	DW100	EC	C900
QT420	JL7066	JL5066	MC	QT960	MET	ACE90
Q400	MU86	MC10X	QT960J	QT100	MR86	

Configuration User Guide

1. Main interface

EN → Next

Online Device

Connect State: Disconnect Version:

Offline Device

MX86	QT660	MP86	TX	DW100	EC	C900
QT420	JL7066	JL5066	MC	QT960	MET	ACE90
Q400	MU86	MC10X	QT960J	QT100	MR86	

1) Configuration methods

The tool support both online and offline mode.

Offline device: (all the device will need offline config if the device was not USB connection) you can select the corresponding model and choose the settings you want, then generate configuration QR code, and scan it to achieve the configuration.

Online device: (**only support USB connection**), the device connect to PC, click connect to connect the scanner with this tool, it will detect the device and get its settings.

2) Language switch

The Config tool support both Chinese and English, click “中” or “EN”

3) Switch interface

If already entered the other interface, click “main” to back to the main interface or click “return”. You can also switch the configuration interface via Tab

2. Online device configuration

1) Device info

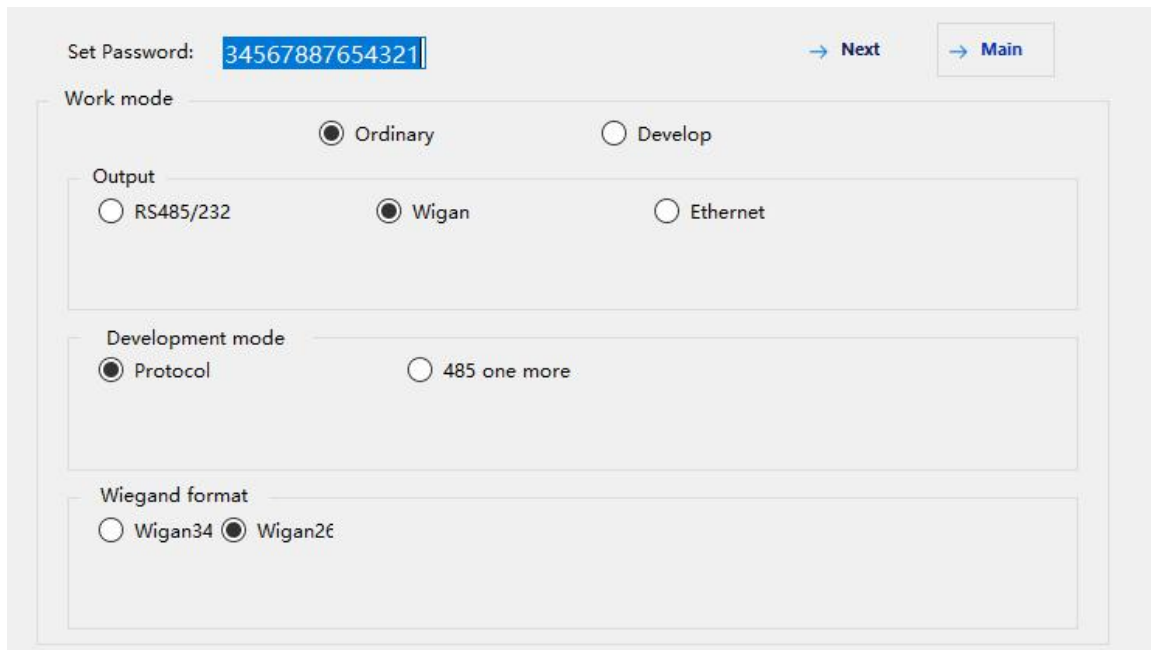
The ConfigTool can detect the device which connected to PC(Only for USB connection), click connect device, after success, it will shows the device connection status and its firmware version.

When the device was connected to computer, click connect the tool will connect with the device successfully.

Notes: if the work mode was develop-USB keyboard-protocol, you will need to configure by scanning the configuration QR code which was generated by the tool. This mode can not connect the tool.

2) Device configuration

After the device was connected successfully, click“next”in the main interface, then you will see the pic below and you can choose all of setting as your needs, and then click next to enter the detail pages.



The screenshot displays the ConfigTool interface for device configuration. At the top, there is a 'Set Password:' field with the value '34567887654321' and two buttons: 'Next' and 'Main'. Below this, the 'Work mode' section has two radio buttons: 'Ordinary' (selected) and 'Develop'. Under 'Ordinary', the 'Output' section has three radio buttons: 'RS485/232', 'Wigan' (selected), and 'Ethernet'. Below 'Wigan', the 'Development mode' section has two radio buttons: 'Protocol' (selected) and '485 one more'. At the bottom, the 'Wiegand format' section has two radio buttons: 'Wigan34' and 'Wigan26' (selected).

3. Offline device

You can also offline use the configTool, run it and select the corresponding device, and then click next to configure the options you want and then generate setting codes.

4. Configuration interface

Set Password: [→ Next](#) [→ Main](#)

Work mode

☒ Ordinary ☐ Develop

Output

☐ Keyboard ☐ RS485/232 ☐ TTL ☒ WIFI

WIFI/Ethernet/2G output set

☐ TCP ☐ TCP protocol ☒ HTTP/HTTPS ☐ HTTP protocol/HTTPS protocol

1) Work mode

- Working mode: ordinary, develop

When need to write a program to control the scanner or calling the scanner output interface, need to use develop mode, the others cases use ordinary mode.

- Output interface: select the corresponding output interface according to the device you purchase. One device can only support one output interface.
- Development mode

The development mode means the way you choose when doing develop, all the devices select "protocol" at present.

Set Password: [→ Next](#) [→ Main](#)

Work mode

☐ Ordinary ☒ Develop

Output

☒ Keyboard ☐ RS485/232 ☐ TTL ☐ WIFI

Development mode

☒ Protocol ☐ 485 one more

➤ Serial parameter

When the output interface selected RS232/RS485/TTL, need to set up the corresponding serial parameters, such as baud rate, stop bit, check bit, etc.

➤ WIFI/Ethernet/2G output interface settings

When the output interface selected WIFI/Ethernet/2G, need to select corresponding networking protocol.

The difference between TCP and TCP protocol, HTTP and HTTP protocol: TCP/HTTP pass through the content of the QR code, while TCP protocol/HTTP protocol upload character string which has filed format. For more details, plz check “ QR code scanner WIFI interface specification V1.2”

Set Password: [→ Next](#) [→ Main](#)

Work mode

☐ Ordinary ☒ Develop

Output

☐ Keyboard ☐ RS485/232 ☐ TTL ☒ WIFI

Development mode

☒ Protocol ☐ 485 one more

WIFI/Ethernet/2G output set

☐ TCP ☐ TCP protocol ☒ HTTP/HTTPS ☐ HTTP protocol/HTTPS protocol

➤ Wiegand output format

If selected wiegand output, need to specify whether to choose wiegand 26 protocol or wiegand 34 protocol, this two protocol can be switch.

Set Password: [→ Next](#) [→ Main](#)

Work mode

☒ Ordinary ☐ Develop

Output

☐ RS485/232 ☒ Wigan ☐ Ethernet

Development mode

☒ Protocol ☐ 485 one more

Wiegand format

☐ Wigan34 ☒ Wigan26

2) Scan set

➤ Symbolologies

Select the “code” firstly, and then select the code you need to read in the optional bar

The screenshot shows the 'Scan set' menu with the 'Code' option selected. The 'Set Password' field contains '34567887654321'. The 'Code' sub-menu is open, showing a list of options: QR (checked), PDF417, CODE128, ISBN10, ISBN13, CODE39, CODE93, EAN13, and ITF. The 'Action' option is highlighted in the main menu. The 'QR Code Position' label is visible on the right side of the screen.

➤ Prefix and suffix

Select “prefix suffix” first, and then fill in the prefix or suffix content which need to set. The prefix and suffix format setting is supported.

The screenshot shows the 'Scan set' menu with the 'Prefix suffix' option selected. The 'Set Password' field contains '34567887654321'. The 'PrefixSuffix' sub-menu is open, showing the 'Format' section with 'char' selected (radio button) and 'hex' (radio button). Below the format section are two input fields: 'Scan Prefix' and 'Scan Suffix'. The 'QR Code Position' label is visible on the right side of the screen.

➤ “Enter wrap”

First select “Enter wrap” and then select enter or line feed.

➤ Backlight

Backlight means the white light fill light in the scanner

➤ The scan mode

Single mode means that the same code can not be scanned twice continuously, for example, if scanned code A one time, then i can't scan this same code again. But, if scan code A one time then scan code B one time, after this it can scan code A again.

Interval mode means the interval time between the two scan of the same code. The units is ms, if need 1 second interval, then fill in 1000.

The screenshot shows a configuration interface for a scanner. At the top, there is a 'Set Password:' field with the value '34567887654321'. To the right are links for 'Return' and 'Main'. Below the password field are four tabs: 'Scan set', 'Advanced', 'Swipe', and 'Net'. The 'Scan set' tab is active. On the left, under 'Scan set', there are several checkboxes: 'Code', 'Prefix suffix', 'EnterWrap', 'Scan Mode' (which is highlighted with a red box), 'Action', and 'Backlight'. To the right of these checkboxes is a 'Scan Mode' dialog box. Inside this dialog, there are two radio buttons: 'SingleMode' and 'IntervalMod' (which is selected). Below the radio buttons is a text input field labeled 'Intervals(ms)' with the value '300'. To the right of the 'Scan Mode' dialog are buttons for 'Config code', 'Save', 'Reset Password', and 'Exit'. At the bottom right, there is a label 'QR Code Position'.

➤ Scan action

The "action" means the device feedback after the device scanned the code. According to the function that the device supported, it can be beep, or flash light of different color. The delay means the length of the action, default is okay for most cases.

The screenshot shows the same configuration interface as before, but with the 'Action' checkbox selected under the 'Scan set' tab. The 'Action' dialog box is now open. Inside this dialog, there are three checkboxes: 'Beep' (which is checked), 'Flash red', and 'Flash green'. Below these checkboxes are two text input fields: 'Beep delay' with the value '30' and 'ms', and 'Flash delay' with the value '200' and 'ms'. The other elements of the interface, including the password field, tabs, and buttons, remain the same as in the previous screenshot.

➤ Brightness control

Brightness used to control the background light brightness of the scanner

The screenshot shows the 'Advanced' settings page of a device. At the top, there is a 'Set Password' field with the value '1234567887654321'. To the right are links for 'Return' and 'Main'. Below the password field are tabs for 'Scan set', 'Advanced', 'Swipe', 'Net', and 'Wigan'. The 'Advanced' tab is selected. On the left, there is a list of settings: 'Effect' (checked), 'Brightness' (checked and highlighted with a red box), 'Device num' (unchecked), 'ChangePasswor' (unchecked), and 'Engine' (checked). To the right of the 'Brightness' checkbox is a slider control, also highlighted with a red box, with the label 'Brightness:'. On the far right, there are buttons for 'Config code', 'Save', 'Reset Password', and 'Exit'. At the bottom right, there is a label 'QR Code Position'.

3) Advanced settings

➤ Device number

The device number can bet set, the device number can get via the protocol instruction, or in the Ethernet/WiFi output can be upload to server together with the QR code contents. **The content of the device number can only be Int data.**

The screenshot shows the 'Advanced' settings page of a device. At the top, there is a 'Set Password' field with the value '34567887654321'. To the right are links for 'Return' and 'Main'. Below the password field are tabs for 'Scan set', 'Advanced', 'Swipe', and 'Net'. The 'Advanced' tab is selected. On the left, there is a list of settings: 'Device num' (checked and highlighted with a red box), 'ChangePasswor' (checked), and 'Output format' (checked). To the right of the 'Device num' checkbox is a text input field labeled 'Device No:' with the value '0'. On the far right, there are buttons for 'Config code', 'Save', 'Reset Password', and 'Exit'. At the bottom right, there is a label 'QR Code Position'.

➤ Change the configuration password

The configuration password can be changed in case of someone tamper it, please keep the new password in mind, will need to fill in the new password first then start config when next configuration is needed.

The screenshot shows a configuration interface with a 'Set Password' field containing '34567887654321'. Below it are tabs for 'Scan set', 'Advanced', 'Swipe', and 'Net'. The 'Advanced' tab is selected, and a 'ChangePassword' dialog box is open. This dialog has a title bar 'ChangePassword' and two input fields: 'New password:' and 'Confirm password:'. To the left of the dialog, there are three checked checkboxes: 'Device num', 'ChangePassword', and 'Output format'. To the right of the dialog, there are buttons for 'Config code', 'Reset Password', 'Save', and 'Exit'. At the bottom right, there is a 'QR Code Position' label.

➤ Output format

This option are [only for RTMU86's wiegand interface](#). For others devices, please select "direct" output, otherwise there would be no data output when scan code.

For RTMU86's wiegand interface, please select others output format except the "direct", select according to the controller you are using. You can also refer the configuration code below.

The screenshot shows the same configuration interface as before, but with the 'Output format' dialog box open. This dialog has a title bar 'Output format' and a list of radio button options: 'Direct', 'Digital Char turn Hex', 'Digital Char turn Hex reverse', 'Hex Char turn Hex', 'Hex Char turn hex Reverse', 'Decimal turn PIDVID', and 'Decimal turn PIDVID reverse'. The 'Direct' option is selected. The 'ChangePassword' checkbox is still checked, but the 'Output format' checkbox is now highlighted. The 'Config code', 'Reset Password', 'Save', and 'Exit' buttons are still present on the right, and the 'QR Code Position' label is at the bottom right.

4) NFC Card Reading Set: “Swipe”

➤ Read NFC switch

If need to read NFC cards, then select Swipe> Switch, then select Open for “NFC switch”.

Set Password: 34567887654321

→ Return → Main

Scan set Advanced **Swipe** Net

☒ **Switch**

☐ OutputSet

☐ PrefixSuffix

☐ Action

☐ Sequence

Switch

NFC switch ☐ Shut ☒ Open

ID card switch

☒ Shut ☐ Open

Config code Save

Reset Password Exit

QR Code Position

➤ Output set

The card output set can be set, if the device was wiegand output, mostly select “direct”, for other output methods select as your needs. The “start output bit”are only valid for Chinese ID card.

Set Password: 34567887654321

→ Return → Main

Scan set Advanced **Swipe** Net

☐ Switch

☒ **OutputSet**

☐ PrefixSuffix

☐ Action

☐ Sequence

OutputSet

Output start bit 1

Output length 1

Output format

☒ Direct

☐ Decimal

☐ Hex

Config code Save

Reset Password Exit

QR Code Position

➤ Prefix and suffix

This function can be use for adding prefix and suffix for card number.

Set Password:

→ Return → Main

Scan set Advanced **Swipe** Net

☐ Switch
☐ **OutputSet**
☒ PrefixSuffix
☐ Action
☐ Sequence

Prefix and suffix

Format ☒ hex ☐ char

Prefix

Suffix

Config code Save

Reset Password Exit

QR Code Position

- **Swipe action**
 Swipe action means the action when read NFC cards.

Set Password:

→ Return → Main

Scan set Advanced **Swipe** Net

☐ Switch
☐ OutputSet
☐ **PrefixSuffix**
☒ **Action**
☐ Sequence

Action

☐ Flash rec

☐ Flash lan

☒ Beep

Config code Save

Reset Password Exit

QR Code Position

- **Sequence**
 Support the card number output in positive order or reverse order.

Set Password:

→ Return → Main

Scan set Advanced **Swipe** Net

☐ Switch
☐ OutputSet
☐ PrefixSuffix
☐ Action
☒ **Sequence**

Sequence

Card: ☒ Reverse Order
☐ Positive Order

ID card: ☒ Reverse Order
☐ Positive Order

Config code Save

Reset Password Exit

QR Code Position

5) Network settings

➤ WIFI setting

This option are used to configure the WiFi account and password that the device are going to connect.

Set Password:

→ Return → Main

Scan set Advanced Swipe **Net**

☐ **SuccessAction**
☐ FailAction
☐ TCP/UDPPara
☐ HttpPara
☐ HeartSet
☐ IP Mode
☐ MAC addredd

SuccessAction

☐ Beep
☒ Flash lamp
☐ Flash red
☐ Flash green
☐ Relay control

Relay delay(ms)

Config code Save

Reset Password Exit

QR Code Position

➤ Transmission success/ failed action

Transmission success/failed: it means the action that the data was sent successfully via internet

If set TCP protocol mode or HTTP protocol mode, after the server received data, it will return "code=0000" first, then will show the success action, error value or didn't return will show fail action

The screenshot shows the 'Net' configuration screen. At the top, there is a 'Set Password:' field with the value '34567887654321'. To the right are buttons for 'Return' and 'Main'. Below the password field are tabs for 'Scan set', 'Advanced', 'Swipe', and 'Net'. The 'Net' tab is selected. On the left, there is a list of checkboxes: 'SuccessAction' (checked), 'FailAction', 'TCP/UDPPara', 'HttpPara', 'HeartSet', 'IP Mode', and 'MAC address'. The 'SuccessAction' checkbox is highlighted with a red box. To the right of this list is a sub-panel titled 'SuccessAction' containing checkboxes for 'Beep', 'Flash lamp' (checked), 'Flash red', 'Flash green', and 'Relay control'. Below these is a 'Relay delay(ms)' field. To the right of the sub-panel are buttons for 'Config code', 'Save', 'Reset Password', and 'Exit'. At the bottom right, there is a label 'QR Code Position'.

➤ TCP/UDPPara parameter

Set the TCP server address, port number, and time-out period. (within 5 seconds)

The screenshot shows the 'Net' configuration screen. At the top, there is a 'Set Password:' field with the value '34567887654321'. To the right are buttons for 'Return' and 'Main'. Below the password field are tabs for 'Scan set', 'Advanced', 'Swipe', and 'Net'. The 'Net' tab is selected. On the left, there is a list of checkboxes: 'SuccessAction', 'FailAction', 'TCP/UDPPara' (checked), 'HttpPara', 'HeartSet', 'IP Mode', and 'MAC address'. The 'TCP/UDPPara' checkbox is highlighted with a red box. To the right of this list is a sub-panel titled 'TCP/UDPPara' containing fields for 'Address:' (192.168.1.1), 'Port num' (8080), and '接收超时 (<=5秒) :' (2). To the right of the sub-panel are buttons for 'Config code', 'Save', 'Reset Password', and 'Exit'. At the bottom right, there is a label 'QR Code Position'.

➤ HTTP parameter

Set the HTTP server address, format: <http://serveraddr:port/path>.

Set Password:

→ Return → Main

Scan set Advanced Swipe Net

☐ SuccessAction
☐ FailAction
☐ TCP/UDPPara
☒ **HttpPara**
☐ HeartSet
☐ IP Mode
☐ MAC address

HttpPara

Address:

接收超时 (<=5秒) :

Config code Save

Reset Password Exit

QR Code Position

➤ Heartbeat setting

The heartbeat can be set under TCP mode, the http mode was not supported

Set Password:

→ Return → Main

Scan set Advanced Swipe Net

☐ SuccessAction
☐ FailAction
☐ TCP/UDPPara
☐ HttpPara
☒ **HeartSet**
☐ IP Mode
☐ MAC address

HeartSet

Switch: ☒ Open ☐ Shut

Heart time:

Heart conter

Config code Save

Reset Password Exit

QR Code Position

➤ IP mode

Support dynamic IP and static IP configuration, for static IP, need to fill in the IP address, sub-off mask, gateway. Dynamic IP not needed.

Set Password:

→ Return → Main

Scan set Advanced Swipe Net

☐ SuccessAction
☐ FailAction
☐ TCP/UDPPara
☐ HttpPara
☐ HeartSet
☒ IP Mode
☐ MAC address

IP Mode

☒ Dynamic IP ☐ Static IP

IP address:
 Subnet mask:
 Gateway:
 DNS:

Config code Save

Reset Password Exit

QR Code Position

6) Generate the configuration QR code

After configured all the above options, click “config code”, a configuration QR code will be shows in the right side. Then use the scanner to scan it, after beep sound or light feedback, it means configuration success. Now power off and restart the scanner so that the configuration will become valid.

The above options do not need to select all, just configure as your needs.

Set Password:

→ Return → Main

Scan set Advanced Swipe Net

☒ SuccessAction
☐ FailAction
☐ TCP/UDPPara
☐ HttpPara
☐ HeartSet
☐ IP Mode
☐ WIFI set
☐ MAC address


SuccessAction

☒ Beep
☒ Flash lamp
☐ Flash red
☐ Flash green
☐ Relay control

Relay delay(ms)

Config code Save

Reset Password Exit



7) Save configuration

For the online use mode, click 'save' to save the configuration to the scanner directly and no need to scan the setting code. Then power off and re-plug the scanner so the new configuration will become valid.

The screenshot shows a web interface for configuring a device. At the top, there is a 'Set Password:' field with the value '1234567887654321'. To the right of this field are two links: 'Return' and 'Main'. Below the password field is a tabbed menu with five tabs: 'Scan set', 'Advanced', 'Swipe', 'Net', and 'Wigan'. The 'Level' option under the 'Advanced' tab is selected and highlighted with a red box. To the right of the tabs is a 'Level' section with two radio buttons: '3.3V' (selected) and '4.3V'. Further to the right is a large QR code. At the bottom right, there are four buttons: 'Config code', 'Save' (highlighted with a red box), 'Reset Password', and 'Exit'.

8) Reset the default password

If you changed the password but forgot it, then you can use online configure, after connect to the tool, click "reset password" the password will become the default password(1234567887654321)

This screenshot is identical to the one above, showing the same web interface. However, in this view, the 'Reset Password' button at the bottom right is highlighted with a red box, indicating the action to be taken to reset the password to the default value.

5. Quick configuration QR code

Using methods: Use the scanner to scan the configuration QR code you need, then re-plug the scanner, configuration success.

1) USB mode



USB-ordinary mode



USB-develop mode-protocol



USB-develop mode-USBHID

2) 232 mode



RS232-ordinary mode-115200



RS232-develop mode-115200

3) TTL mode



TTL- ordinary mode- 115200



TTL- develop mode-115200

4) 485 mode



485- Ordinary mode-115200



486- Develop mode-115200

5) Wiegand mode

Using method: this configuration was comprised of 3 parts: wiegand protocol(26 or 34) and wiegand level(3.3v or 4.4v) and scan code/read card output format(the read card output format can refer to the universal configuration QR code). The device can scan the wiegand26 or wiegand 34 configuration QR code, if there is still no uploaded data in background, scan the configuration code which change the scanning output format. If doesn't know use which one, could try all of them. (the scanner will need to restart after each configuration)

A. Wiegand 26



Wiegand26-PIDVID inverted sequence-3.3V



Wiegand26-PIDVID inverted sequence-4.3V

B. Wiegand 34



Wiegand34- number to HEX- 3.3V



Wiegand34- number to hex-4.3v

C. Scanning QR code output format



Numeric character to hex



Numeric character to hex inverted sequence



Hexadecimal to HEX



Hexadecimal to hex inverted sequence



Decimal to PIDVID



Decimal to PIDVID inverted sequence

6. Universal configuration QR code.

A. Add barcode function



Add scan barcode function

B. Add enter function



Add enter

C. Add linefeed function



Add linefeed

D. Open read card function



Open read card function

E. Change swipe card output format



swipe card decimal output



Swipe card hexadecimal output



Swipe card output directly

F. Swipe card positive sequence output



General cards positive sequence



ID card positive sequence(Chinese ID card only)

G. Swipe card inverted sequence output



General cards inverted sequence



ID card inverted sequence(Chinese ID card only)

H. Swipe card output length

(for Chinese ID card only)



I. Set single mode



Single mode

J. Set interval mode



1 second time interval



2 second time interval



3 second time interval

K. Set scanning code light feedback



Add lighting feedback function

L. Set baud rate



M. Level change



3.3V



4.3V

N. Restart the device



Device restart

Explanation of the Output Format

Main interface -> Advanced -> Output format:

Ex: read the barcode: **12345678**

1. Direct

Output the scanned original data.

The output is: 38 37 36 35 34 33 32 31

2. Digital Char turn Hex

Convert string to Integer

"12345678" is converted to 12345678 (HEX 00 BC 61 4E)

3. Digital Char turn Hex reverse

Convert string to int, and then int high low

"12345678" is converted to 1315027968 (HEX 4E 61 BC 00)

"12345678" is converted to 5136828 (HEX 4E 61 BC)

4. Hex Char turn Hex

Convert Hex string to Hex

"12345678" is converted to 2018915346 (HEX 78 56 34 12)

5. Hex Char turn Hex Reverse

Convert Hex string to Hex

"12345678" is converted to 305419896 (HEX 12 34 56 78)

6. Decimal turn PIDVID format output

7. Decimal turn PIDVID format output reverse

Wiegand output format comparison

Wigan 26				
Card Type	Card No.	Direct	Convert to decimal output	Convert to Hex output
NTAG213	046D61EAD45B81	13917057(D45B81)	"13917057" (3133393137303537)	"D45B81" (44 34 35 42 38 31)
MF1S50	A2DABD8D	14335373(DABD8D)	"14335373"	"DABD8D"
FM11RF08	BD7B88E3	8095971(7B88E3)	"8095971"	"7B88E3"
Wigan 34				
Card Type	Card No.	Direct	Convert to decimal output	Convert to Hex output
NTAG213	046D61EAD45B81	3937785601(EAD45B81)	"3937785601" (33393337373835363031)	"EAD45B81" (4541443435423831)
MF1S50	A2DABD8D	2732244365(A2DABD8D)	"2732244365"	"A2DABD8D"
FM11RF08	BD7B88E3	3178989795(BD7B88E3)	"3178989795"	"BD7B88E3"
Remark:				
Direct: output the original data directly. For example, if the Card No. is 01 02 03, directly output three bytes of data and display the Card No. as 66051				

Convert to decimal output: convert Hex data to decimal and then to decimal string.

For example, if you want to convert the 0x81 at the end of the Card No. to "129", it will actually be displayed as 0x393231, and then converted to a decimal number 3748401

Convert to Hex output: convert Hex data to Hex string.

For example, if you want to convert the card number 0x046D to "046D", the actual display is 0x64363430 and then converted to decimal number 1681273904

Once set to decimal or Hex output, the outputted Card No. is the ASCII value of the converted string

FAQ

1) in the configuration tool, it shows connect failed when click connect device.

(1) only the USB device can connect to the configuration tool, while the others need to scan the configuration code to config, which means generate the configuration QR code then use the scanner to scan.

(2) when the USB device was configured into develop mode, it may can not connect to the tool, can scan the configuration QR code to configure the scanner to ordinary mode then connect to the tool

(3) Maybe the USB port of the computer was occupied by other programs. You could scan the configuration QR code to config.

2) when scanning configuration QR code, there is no response

(1) If changed password, then use the changed password to generate the configuration QR code.

If the changed password was lost, connect the config tool then click “reset password”, after this you could use the default password “1234567887654321” to configure. If cannot connected to the tool, please contact customer service.

(2) Please check whether the format of the configuration was correct, for example: if the HTTP server address added port number, if the prefix and the suffix format which was selectd and filled in the tool was correct, whether the device number was “Int” data.

(3) The configuration QR code which was generated by the tool, it's better to send a screenshot to mobile phone rather than take a photo then use the the scanner to scan.

3) When scanning barcodes there is no response.

Whether the device was configured the scanning barcodes function, if not, you could configure it in the tool. If still cannot scan after configuration, please contact customer service.

4) After the device was configured, there is no output content.

The different output interface has different testing methods. For the USB device, you could see the output content in a TXT or Word file, for the serial device(RS232, TTL etc), you will need to see the

output content in a serial debugging tool, for the wiegand device, need to see the output content in the wiegand controller background, and for the Ethernet and WiFi device, you will need to build server first then receive data.

5) After scanning there is error code or messy code.

In the develop mode, the data upload by the scanner was according to the communication protocol, including command header, command word etc, you could refer to the communication protocol to proceed the data parsing.