

1.1.1 Setting code on/off

By setting code function, you can make the setting code on to read the parameters of the engine configuration



● on



off

Transmit the content of setting code



● on



off

1.1.2 Setting Factory Default



Factory Default

2 Communication Interface

2.1 RS232 Serial Communication Interface

The serial communication interface is a common way to connect the Scanner with the host device (such as PC, POS and other devices). When the Scanner connects with the host by the serial interface, the system default serial communication mode. When using serial communication interface, the Scanner and the host device must match the communication parameters in order to ensure smooth communication and correct content.



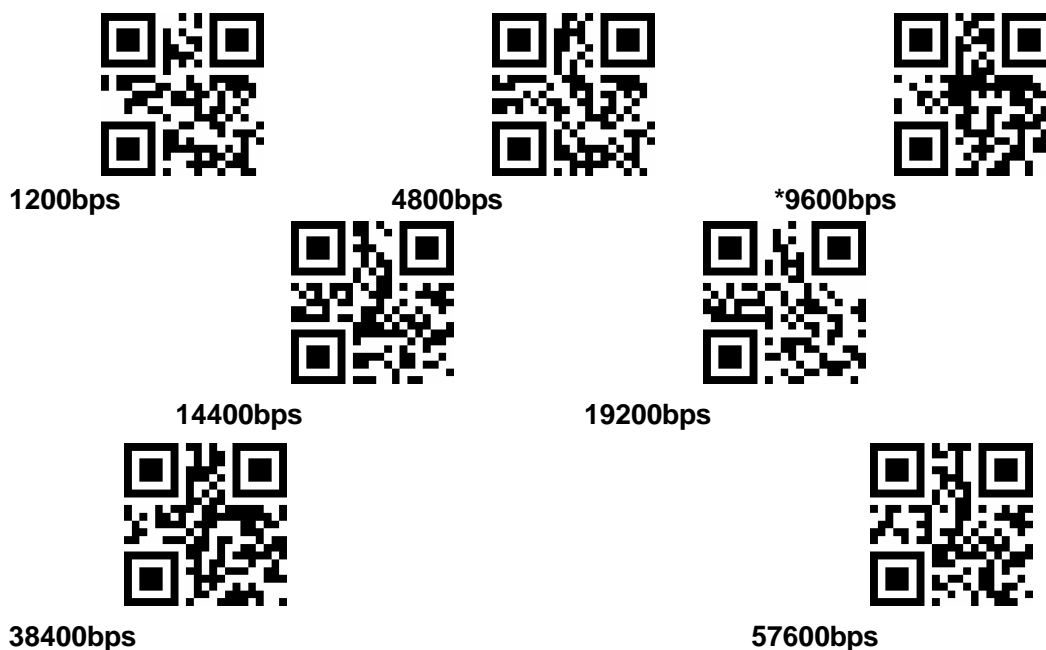
RS232 Serial Interface

The serial communication interface of the module is by the TTL level signal (TTL-232) which can be common using in most system architectures. If the system needs to use the RS-232 form of the structure, it has to increase the external converting circuit.

◦ The default serial communication parameters for the module are as the Table 2 1. Only the baud rate of the module can be modified by serial command, other parameters can't be modified.

2-1 Default Serial Communication Parameters

Parameters	Default
RS232 serial communication type	Standard TTL-232 Standard TTL-232
baud rate	9600
Parity Check	none
Data Bit	8
Stop Bit	1
Hardware Flow Control	<input type="checkbox"/> none

Baud Rate

2.2 USB Interface

When you connect the Scanner to the Host via a USB connection, you can enable the **USB PC Keyboard** feature by scanning the barcode below. Then Scanner's transmission will be simulated as USB keyboard input.



USB PC KEYBOARD



USB 虚拟串口

USB-COM

3 Scan Mode

3.1 Trigger Mode



Trigger on/off

3.2 Continuous Mode



Continuous Mode

Single reading duration



1000ms



*5000ms



3000ms



None

Reread delay



None



500ms



*1000ms



1500ms



2000ms

3.3 Auto-Sensing Mode



Auto-sensing

Single reading duration



1000ms



3000ms



*5000ms



None

Reread delay



None



500ms



*1000ms



1500ms



2000ms

Steady image setting

Making Steady image setting in Auto-sensing mode, the Scanner needs to wait for the image stabilized before reading code when it detects the scene change before reading the code. The length of time is set to 0 to 25.5 seconds in steps of 0.1 second. The default image length is 0.4 seconds.



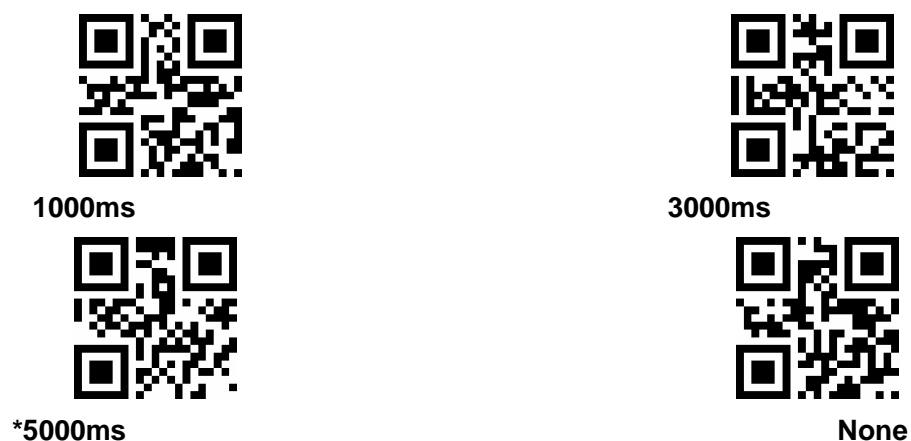
3.4 Command Trigger Mode

In this mode, the Scanner starts reading the code when the Scanner receives the command from host (ie, bit 0 of flag bit 0x0002 is written to "1"), it stops reading code in the successful transmission or the end of the single reading duration.



RS232 Serial Mode

Single reading duration



4 LED Illumination and Aiming

4.1 LED Illumination

The lighting can provide auxiliary lighting for the reading, the illumination can improve the reading performance under the weak environment. The user can make the following setting according to the application

Trigger on (Default)

Always on

None



Trigger on



Always on



None

4.2 Aiming Mode

The Aim illumination setting helps the user find the best reading distance when the Scanner is triggered.

Trigger On (Default)

Always On

None



Trigger on



Always on



None

5 Indicator

5.1 Buzzer

Read the "buzzer frequency" to set active / passive buzzer and the frequency of the passive buzzer.



Buzzer Frequency-Passive Low



***Buzzer Frequency- Passive Medium**



Buzzer Frequency-Passive High



Buzzer Frequency- Active driver

In Active buzzer mode reading "buzzer working level - high" can set buzzer idle low and working high.
Reading "buzzer working level - low "can be set buzzer idle high and working low.



*** Buzzer working level-High**



Buzzer working level-Low

Reading "Turn off Tone" to turn off all beeps.



Turn off Tone



*** Turn on Tone**

5.2 Good Read-Beeper

Read "Beep Off " can turn off Beeper in Good Read



***Good read Beep on**



Good read Beep Off

Read the "Beep Duration" to set Good Read- duration.(Default 60ms)



Beep Duration-30ms



***Beep Duration-60ms**



Beep Duration-90ms



Beep Duration-120ms

5.3 Decoding status prompts

In order to promptly identify if decoding is successful or not, you can turn on this feature.

Turn on "output decoding status prompt", the Scanner will send the prompt character "F" in failed decoding. In successful decoding, it will add the prompt character "S" in front of decoding the data.



*** Output decoding status prompt-off**



Output decoding status prompt-On

5.4 Message Terminator



None



*CR



TAB



CRLF

5.5 Firmware Version



Firmware Version

6 All Symbolologies on/off

6.1 All Symbolologies



All Symbolologies on



All Symbolologies off



*Default

6.2 Barcode Rotation



*360° Rotation on



360° Rotation off

6.3 EAN13



*EAN13 on



EAN13 off

6.4 EAN8



*EAN8 on

EAN8 off

6.5 UPCA



*UPCA on



UPCA off

6.6 UPCE0



*UPCE0 on

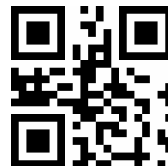


UPCE0 off

6.7 UPCE1



*UPCE1 on



UPCE1 off

6.8 Code128



*Code128 on



Code128 off



Code128 Min. Length: 0



*Code128 Min. Length : 4



***Code128 Max. Length: 32**



Code128 Max. Length: 255

6.9 Code39



***Code39 on**



Code39 off



Code39 Min. Length: 0



***Code39 Min. Length: 4**



***Code39 Max. Length: 32**



Code39 Max. Length: 255

6.10 Code93



Code93 on



Code93 off



Code93 Min. Length: 0



Code93 Min. Length: 4



***Code93 Max. Length: 32**



Code93 Max. Length: 255

6.11 CodeBar



***CodeBar on**



CodeBar off



Transmit CodeBar Start/End characters



***Don't Transmit Code Bar Start/End characters**



CodeBar Min. Length: 0



***CodeBar Min. Length: 4**



***CodeBar Max. Length: 32**



CodeBar Max. Length: 255

6.12 QR



***QR on**



QR off

6.13 Interleaved 2 of 5



Interleaved 2 of 5 on



*Interleaved 2 of 5 off



Interleaved 2 of 5 Min. Length: 0



* Interleaved 2 of 5 Min. Length: 4



* Interleaved 2 of 5 Max. Length: 32



Interleaved 2 of 5 Max. Length: 255

6.14 Industrial 25



Industrial 25 on



*Industrial 25 off



Industrial 25 Min. Length: 0



* Industrial 25 Min. Length: 4



* Industrial 25 Max. Length: 32



Industrial 25 Max. Length: 255

6.15 Matrix 2 of 5



Matrix 2 of 5 on



*Matrix 2 of 5 off



Matrix 2 of 5 Min. Length: 0



* Matrix 2 of 5 Min. Length: 4



* Matrix 2 of 5 Max. Length: 32



Matrix 2 of 5 Max. Length: 255

6.16 Code11



Code11 on



*Code11 off



Code11 Min. Length: 0



*Code11 Min. Length: 4



*Code11 Max. Length: 32



Code11 Max. Length: 255

6.17 MSI



MSI on



*MSI off



MSI Min. Length: 0



*MSI Min. Length: 4



* MSI Max. Length: 32



MSI Max. Length: 255

6.18 RSS



RSS-14 on



*RSS-14 off



RSS Limited on



*RSS Limited off



RSS Expanded on



*RSS Expanded off



RSS Min. Length: 0



*RSS Min. Length: 4



* RSS Max. Length: 32



RSS Max. Length: 255

6.19 DM



*DM on



DM off

6.20 PDF417



*PDF417 on



PDF417 off

7. Language

