Notices:

- All softwares (including firmwares) within the scanner packages are protected by the copyright of our company.

- Manufacturer claims to have the right to upgrade the software (including the firmwares) in the target of promoting the stabilization or other functions of scanner.

- If the contents of brochure corrected, we will not inform you in advance.

- The standard package contains: One Laser Scanner, One USB Wire, and a User Manual

- Optional Accessory: 1 Stand
Brief Introduction:
Our series scanner has powerful light source and enhanced long distance scanning technology so that it is able for us to quickly recognize damaged dusted and bad printing barcode. Industrial time-enduring quality guarantees its privilege of stable function and long bearing. High volume buzzer provides another way to confirm in chaotic industrial environment.

Strengths:
• Enhanced water proof and dust proof capability to IP-54 Industrial Level, especially for use in moist and hazy environment.
• Manual Trigger/ Continuous Scan/ Self-induction mode (Optional), ultra comfortable operating
• Strong barcode identify strength, which could scan colored barcode, plastic covered barcode, non-white background barcode.
• Recognize, set and update software from remote distance.
• Up to 10,000 hours laser life, French press key with life of 3 million pressing times.
• 1.8m Free Fall down to concrete ground. Satisfy 24 hours long time using.
• Support RS232, usb, and USB-COM.
• Flexible, harmony shape reduces overfatigues, level up working efficiency.
Applications:

- Suitable for commercial use (3C, Publishing, Fabrics, Medicine, Cosmetics, etc), Retailing, Post, Telecom, Warehouse, Express, Police, Customs, Banks, Hospitals.

- Compatible with Windows 98 and above, Android, Linux, operating systems. Plug-in use, no need for installation. Compatible with all kinds of POS, Tablet, Cash Drawer, Tax Control Machines. Also work with various retailing, ERP, warehouse management, invoicing softwares.

- Multinational Keyboard Language

Laser Scanner Standard:

Technical Parameters

Scan Mode: Single line Bi-directional
Light Source: 650 (visible laser)
CPU: 32 digits ARM
Scan Speed: 200 line/sec
Depth of Scan: 2.5mm-600mm
Width of Scan: 18cm
Print Contrast: 20% minimum
Corner: +/- 30°
Elevation: +/- 45°
Deflection: +/- 60°
Bit Error Rate: 1/5 million
Resolution: 3 mil
Prompt: buzzer, Led Light
Scan Mode: Handheld/automatical scanning mode
Press key Life: 10 million
Laser Life: 10,000 hours
Interfaces: RS232, USB-COM, USB
Wire Length: 2m (30m optional)
Working Conditions

Working Temperature: 32°F to 104°F/0°C to 40°C
Storage Temperature: -40°F to 140°F/-40°C to 60°C
Humidity: 5% to 95% relative humidity (no condensation)
Ruggedness: Resist about 6 times drops from 1.5m to concrete ground
Ambient Light Immunity: Under normal office and factory ambient lighting conditions, or exposed to the sun it won’t take any effect.

Electrostatic discharge: In line with 15KV air discharge and 8KV contact discharge requirements

Related Regulations

Electrical safety: In accordance with UL1950、CSA C22.2 No.950、EN60950/IEC950、EMI/RFI:FCC Part 15 Class B、European Union EMC Directive、Taiwan EMC、Environment Terms: In accordance with RoHS directive 2002/95/EEC
Outlook

Wire Installation
USB Wire Installation

One USB Wire optional, as the above picture shows. Notice: The host could provide power for the scanner through USB wire. Scanner does not need additional power supply.
Installation process is as follows:

1. Plug the RJ45 end to the tail of the scanner.
2. Connect the other end to the PC USB interface.
3. The buzzer and LED light will give a signal if connected right.
4. Windows will detect the USB device automatically.

Installation of RS232 Wire

The scanner can choose one RS-232 optional, its connection is as shown in the picture. The installation method is as follows:

1. Shut down the power
2. Connect the crystal end to the tail of the scanner.
3. Connect the other end to the host’s 9-pin interface.
4. If the host (Ninth pin of the serial interface) doesn’t supply electricity, you will need an additional 5V power supply.
5. Turn on the power supply, the buzzer and LED light will give out signal if connected right.
Demolition of the wire

The demolition method is as follows:
1. Find the hole close to the end of the scanner
2. Put a thin needle into the hole, softly drag the wire out

Scanning

Handheld Scanning
1. Guarantee the connection is all right.
2. Press the key, the red laser came out. Let the line covers the barcode, when the beep sound rises, the green led vanishes, than the barcode is read and the data transmitted to the host.
Auto mode:

1. In some applications, we will need auto function. The auto mode has ‘continuous function’ and ‘autosense function’.
2. The stand should be adjusted right to get a good reading distance
General Configuration

Note: After scanning the Defaults Barcode, you will reset configuration to defaults

Reset Configuration to Defaults

Check Version:

Working Mode:

Trigger Mode

Continous Scanning

Automatic flash

Turn on IR Self-induction

Turn off IR Self-induction

End Mark Set:

Add CR

Start New Line of All Barcodes

Cancel End Mark

Sound Set:

Turn on Sound

Turn off Sound
Interface Settings:

Serial Port  USB Keyboard  USB Virtual Serial Port

Serial Transmit Set:

- baud rate 600bps
- baud rate 1200bps
- baud rate 2400bps
- baud rate 4800bps
- baud rate 9600bps
- baud rate 19200bps
- baud rate 38400bps
- baud rate 57600bps
- baud rate 115200bps

Capital and Lowcase Switch:

- Turn off Switch
- Lowcase Set
- Capital Set

Forward and Reverse:

- Forward Image Recognition
- Reverse Image Recognition

Capital and Lowcase Switch
Set Prefix and Suffix

A: Scan the "Allow for Prefix Adding" or "Allow for Suffix Adding" setting barcode

![Barcode]

Allow for Prefix Adding

![Barcode]

Allow for Suffix Adding

B: Select the desired contents of prefix or suffix (Appendix A)

C. Scan” Exit add prefix and suffix mode” Setting-up Barcode

![Barcode]

Exit add prefix and suffix mode

D. If you need remove both the prefix and suffix, please scan” remove all prefix” or” remove all suffix”

![Barcode]

remove all prefix

![Barcode]

remove all suffix
Turn on Various Types of Barcode

- Czech
- Belgium (Dutch)
- Turkish-F
- Turkish-Q
- Polish
- Switzerland (German, French)
- Croatian
- Hungarian
- Japanese
- Russian
- Arabic

- turn on code39
- turn off code39
- turn on code39FullASCII
turn on 93code MOD47

turn off 93code MOD47

turn on code128

turn off code128

turn on codabar

turn off codabar

set codabar minimum length to 4

turn on codabar start and stop character

turn off codabar start and stop character

turn on Interleaved 25

turn off Interleaved 25

set Interleaved 25 minimum length to 4

turn on Industrial 25 code

turn off Industrial 25 code

set Industrial 25 minimum length to 3
**turn on** MSI code

**turn off** MSI code

set MSI minimum length to 4

**turn on** Plessey code

**turn off** Plessey code

set Plessey minimum length to 3

**turn on** code11

**turn off** code11

Code11 minimum length to 4

**turn on** Matrix 25 Code

**turn off** Matrix 25 Code

set Matrix 25 Code minimum length to 2
set Matrix 25 Code minimum length to 3

turn on Postal 25 Code

turn off Postal 25 Code

Set Postal 25 Code minimum length to 5

Set Postal 25 Code minimum length to 7

turn on aviation 25 code

turn off aviation 25 code

Set aviation 25 Code minimum length to 7

all EAN transfer to ISSN

turn off compulsorily transfer EAN to ISSN

all EAN transfer to ISBN

turn off compulsorily transfer EAN to ISBN
Appendix A:

- SOH
- ETX
- ENQ
- BEL
- TAB
- VT
- CR
- SI
- DC1
- DC3
- STX
- EOT
- ACK
- Backspace
- LF
- FF
- SO
- DLE
- DC2
- DC4
<table>
<thead>
<tr>
<th>M</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>P</td>
</tr>
<tr>
<td>Q</td>
<td>R</td>
</tr>
<tr>
<td>S</td>
<td>T</td>
</tr>
<tr>
<td>U</td>
<td>V</td>
</tr>
<tr>
<td>W</td>
<td>X</td>
</tr>
<tr>
<td>Y</td>
<td>Z</td>
</tr>
<tr>
<td>[</td>
<td>\</td>
</tr>
<tr>
<td>]</td>
<td>^</td>
</tr>
</tbody>
</table>
Left arrow

Up arrow

Down arrow