

# CHNFUWEI YL160

4 in 1 Magnetic Stripe **Reader**

+ IC Chip Card / RFID Card/PSAM card **reader writer**

## Specification

FCC ID: 2A4R5-YL160



### 1. Introduction

CHNFUWEI YL160 is a multi-functional card reader.

It can read magnetic Stripe card, read and write IC chip card, RFID Card and Psam card. Through the USB interface can connection with PC machine and related equipment . Magnetic card support two-way charge, according to different user requirements, magnetic card can read 1, 2, 3 track information, the most common reader. It is widely used in industry and commerce, telecommunications, taxation, banking, insurance, health care and a variety of charges, stored value, query management system.

### 2. Features

Various interface: USB

**Read & write functions:** Reading the full three-track magnetic card, support

bi-directional swipe, Optional magnetic rail 1,2,3  
Read magnetic cards, IC card reader, proximity card function  
Support the function of the PSAM card operation

**Compatibility:** 100% compatible MSR206 instruction set

**Standards:** Accord with ISO, AAMVA DMV user-defined format

**Data transfer:** Two leds tip data transmission process

Green LED flashes to indicate credit card data being output,  
after the completion of a three-track card full output Beeper

**Card type:** all kinds of memory CARDS and T = 0, T = 1 communication

protocol of CPU card

Support the multi-function PSAM card operation

**Convenient&easy:** Boot self-checking, without external power supply, plug & play,  
don't need to install the driver

Support for Android tablet

**Certification:** EMV L1 ,PBOC 3.0 L1

### Advantage

Supports Windows 98 / XP/WISTA/Windows 7 / doing system, to provide convenient  
DLL secondary development.

Provide complete dynamic library functions, development, main points, call example  
source code examples, and various development language (including: the vb6.0 by  
use of vc ++, Java 6.0)

### 3. Technological Specification

<b>Magnetic card</b>	Read only
Selectable tracks	yes
Read card	1/2/3tracks
Swipe	Double direction

Head life	Approx 500,000 passes
Parity and LRC checking	Built-in, audible and LED good read and error indicator
Cards supported	ISO 7811,AMMVA,CADMV
<b>RFID card</b>	<b>Read and Write</b>
Operating Frequency	13.56 MHz
Smart Card Interface	ISO14443-A, Mifare
Sensing Distance	About 0-5cm
Programmable sound	ON or OFF
Cards supported	ISO14443A,MifareOneS50,MifareOneS70,MF3 DESFIRE, Ultralight、 ISO14443B 、 SONY felica
<b>PSAM card</b>	<b>Read and Write</b>
Head life	Approx 200,000 passes
Communications	USB
Cards supported	ISO 7816-3
operating system	Win7, Win 2008 ,Vista, Win 2003, Win 2000, XP, Linux
<b>IC Card</b>	<b>Read and Write</b>
Cards supported	AT24C01A/24C02/24C04/24C08/24C16/AT24C64 , SLE4432/4442, SLE4418/4428, ISSI 24C01A/16,ISO7816-(1-4) (T=1, T=0)
<b>Communications</b>	USB2.0、 USB-OTG (Android 3.1 above)
<b>Swipe speed</b>	3 ~ 60 inches per second
<b>Maximum power consumption</b>	100 mW
<b>Temperature</b>	Commercial-grade:-20° ~ 60 ° C Industrial-grade:-20° ~ 60 ° C
<b>Humidity</b>	90% non- condensing
<b>Anti-static interference</b>	15KV
<b>Magnetic interference resistance</b>	190ersted
<b>Vibration resistance</b>	Amplitude 0.35mm,Frequency 10-55Hz,Three axis directions sweep vibration
<b>Insulation Resistance</b>	Hot and humid circumstances(40 ° , 95%)Insulation resistance should not be less than 5MΩ
<b>Dimensions</b>	6.5in(L) × 1.77in(W) × 1.77in(H)
<b>Weight</b>	180g

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
  - (2) this device must accept any interference received, including interference that may cause undesired operation.
- This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.