

SPECIFICATION

产品规格书

LIFPOS P/N

LIF-MFR0311C

☐ R&D

☒ Mass Product

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➤ **Summary**

MFR0311 desktop multifunctional reader has the functions of magnetic card reading, iButton data reading, fingerprint reading and writing, RFID (NFC) reading(Or RFID reading& writing).



LIF	Combo Reader	MSR	IC CARD Reader	RFID CARD READER	FINGER ID	IBUTTON	SHELL	/	COMUNICATION	DUAL HEADS
LIF	MF	R	*	*	*	*	*	/	R OR T	D
Our Brand	Combo Reader	/NO	0	0/NO	0/NO	0/NO	A/YES and top outlet		R / RS232	WITH DUAL HEADS
		R/YES	1	1/RD04	1/YES	1/YES	B/ QIWU CASE		T / TTL	
				2/RD05			C/YES and left side outlet			
				3/RD07						
LIF-MFR0311C, LIF Brand Combo reader: With MSR, Without IC card reader, with RD07 (R&W)RFID Reader, With finger ID, With IBUTTON ; With shell, Single reading head, USB-keyboard Communication, With left side outlet USB cable .										

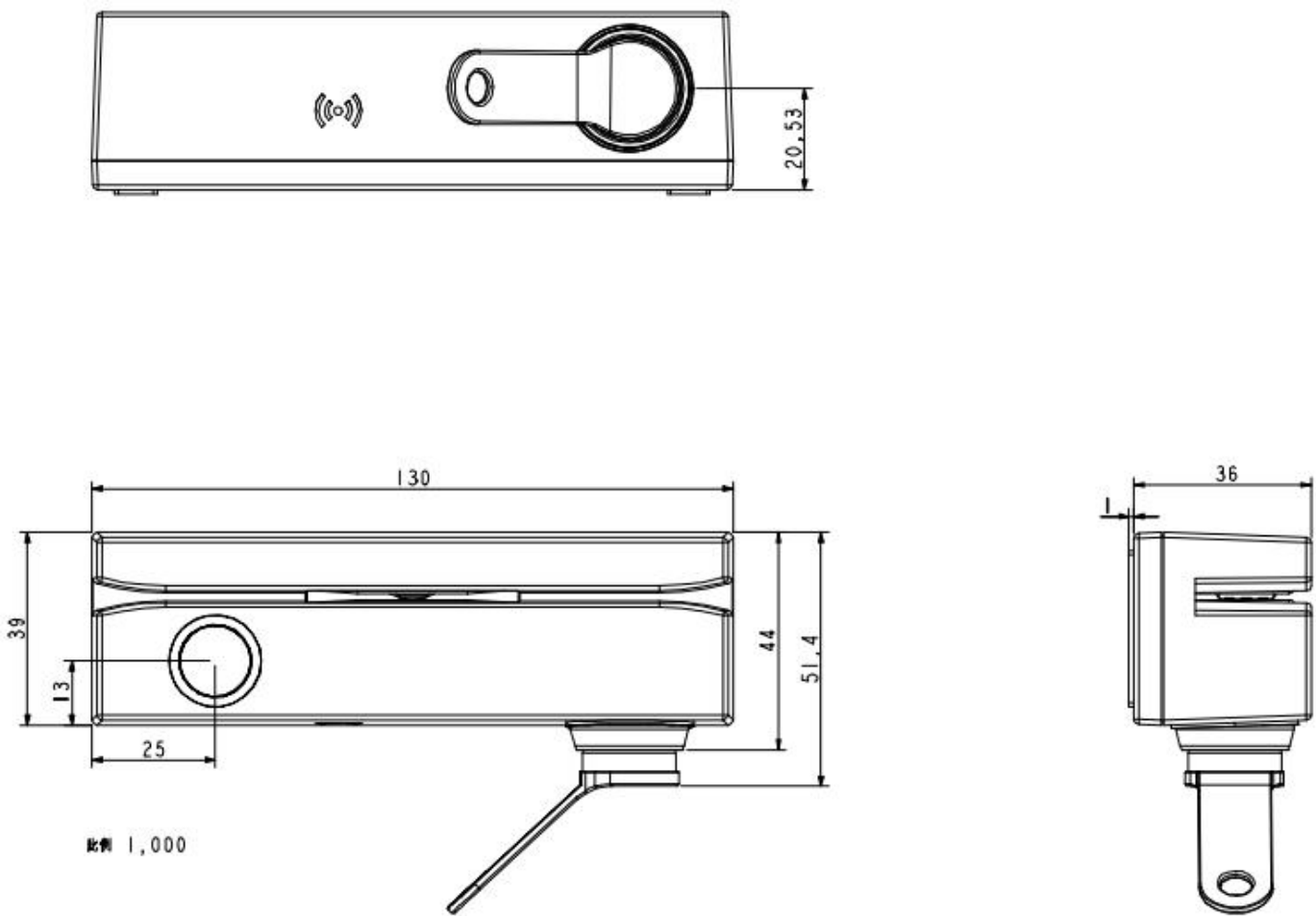
➤ Electrical characteristics

- Voltage: DC+5V $\pm 10\%$
- Working current:
 - Magnetic card reading module: $\leq 30\text{mA}$;
 - Fingerprint module: $\leq 55\text{mA}$;
 - RFID module: $\leq 100\text{mA}$ (It is related to the card type and distance)
 - IBUTTON module: $\leq 25\text{mA}$
 - Insulation resistance: $> 50\text{M}\Omega$
- Contact resistance: $< 1\text{K}\Omega$.

➤ Physical characteristics

- Body material: ABS, Black
- Size (L*W*H): 130*39*36mm
- Net weight : 200g (excluding cable)

➤ Dimension



➤ **Magnetic Card Reader**

- ▣ Model: LIF-MFR0000
- ▣ Compliance with ISO7811, IBM, ANSI, JS2 and other protocols and standards;
- ▣ Card Swipe Speed: 10-120cm/s;
- ▣ Lifetime: ≥50 0000 times;
- ▣ Bi-direction swipe;
- ▣ Coercive Force: 300-4000 Oe;
- ▣ The Density of Magnetic Stripe:
 - Track 1--210BPI with max 76 characters;
 - Track 2--210BPI with max 104 characters or 75BPI with 37characters;
 - Track 3--210BPI with max 104 characters;
- ▣ Available configuration: 1 track or 2 track or 3 track,1 and 2 track, 2 and 3 track, 1 and 2 and 3 track;
- ▣ Software can be provided to set the magnetic card record format,character set and so on;
- ▣ Communication interface: HID-USB;
- ▣ Power Supply: DC+5V ±10%

➤ **Finger ID Feature**

- ▣ Model No.: AM-FPC1021
- ▣ Fingerprint comparison speed:1:N < 1s($N \leq 100$)
- ▣ Storage capacity: 100 fingerprints of Standard product(Can be expanded)
- ▣ Sensor: Capacitive touch sensor
- ▣ Resolution: 160*160
- ▣ FRR. : < 1%
- ▣ FAR. : < 0.001%
- ▣ Image gray scale: 8-bit grayscale
- ▣ Lifetime: 20 0000 times
- ▣ Power Supply: DC+3.3V ±0.1

➤ **RFID Reader Feature**

- Model No.: RD07 (Read Only) / RD07R&W (Reader Writer)
- RD07R&W (Reader Writer) uses 13.56 MHz non-contact radio frequency technology, the antenna and circuit are integrated on board. Its longest reading and writing distance is more than 5 cm, Supporting five different working modes
 - ISO/IEC 14443A/MIFARE Reader/Writer
 - FeliCa Reader/Writer
 - ISO/IEC 14443B Reader/Writer
 - ISO/IEC 15693 Reader
- Can recognize mobile phone NFC (not including payment)
- Lower power consumption: In dormancy mode is 10uA, In operation is 50ma- 200ma (Depends on card type, distance, and sound etc.)
- Communication interface: HID-USB
- There is a prompt sound for successful card search
- Size: 50*30*10MM
- Power Supply: DC+5V ±10%
- Operating systems: Windows, Linux, Android

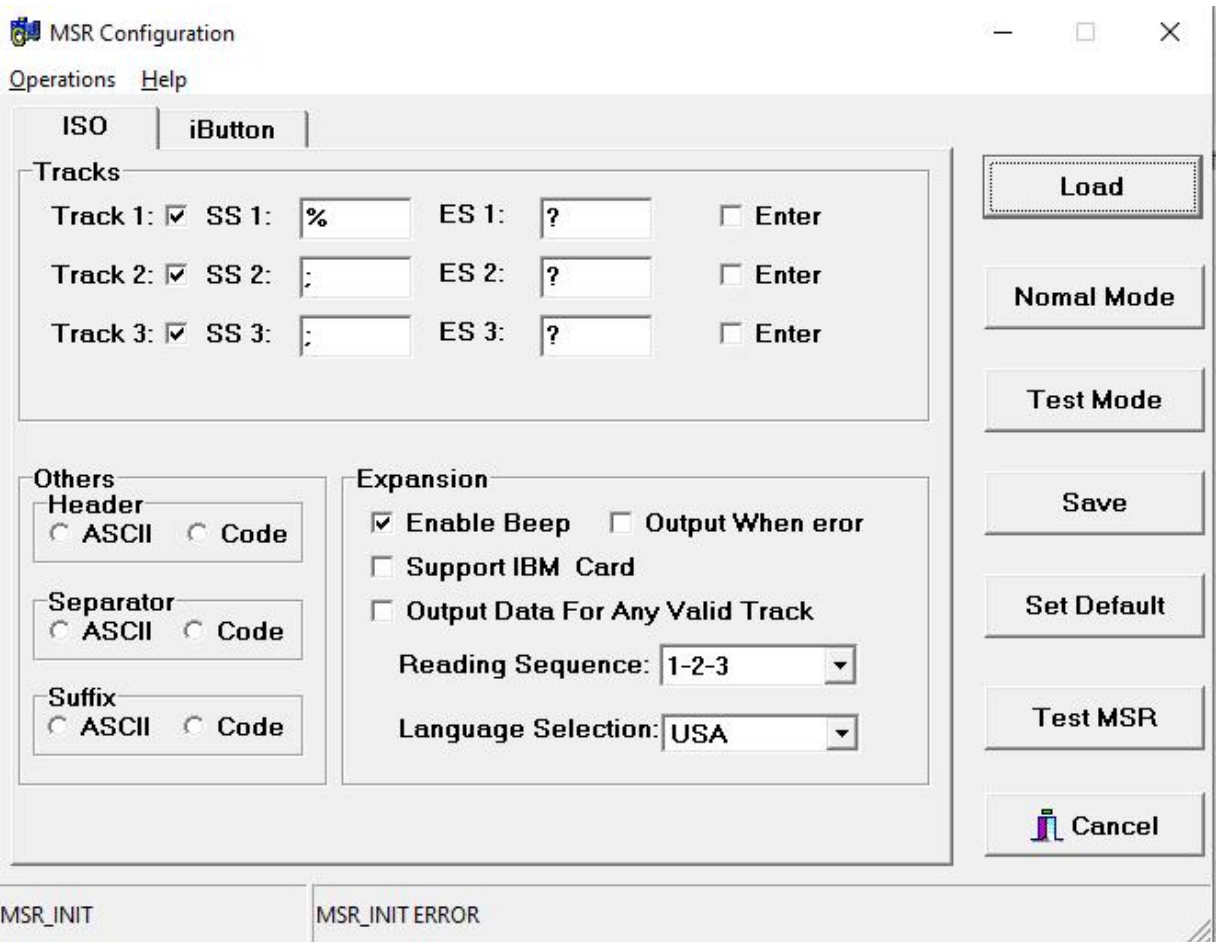
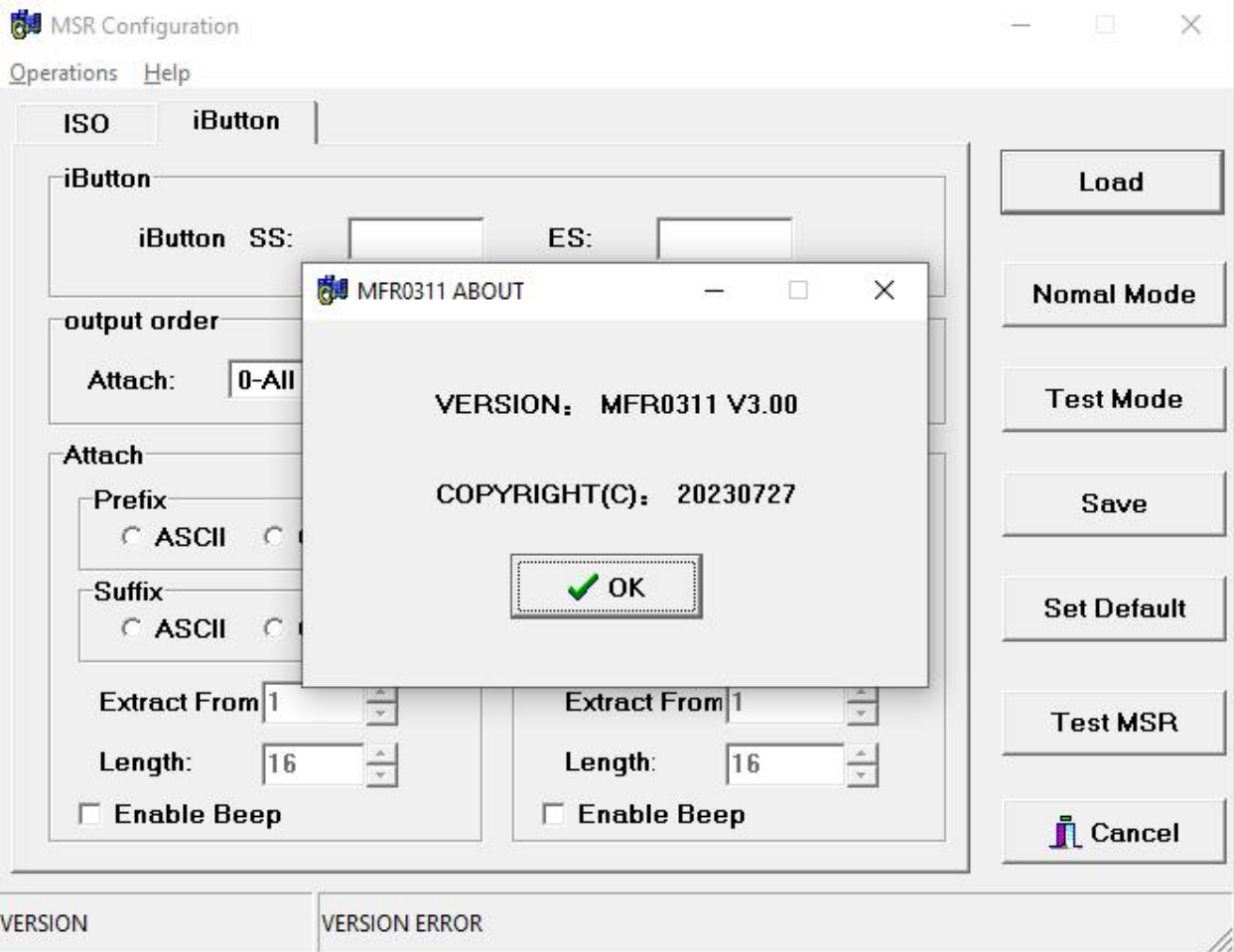
➤ **I-Button Reader**

- I-button reader is a kind of new reading device, used in personal ID recognition with Dallas key, Wildly used in Cashier system, Payment system, Computer control, Archive control, Machine control, Access control, Attendance control and Intelligence gathering.
- Reading ID data from electronic key. The electronic key can be fixed on the reader, once the key leaves the card reader, the machine will send the signal to the master and lock the master. This function is adopted to the operation and control of cashier system.
- Intensive strong magnet inside reader will generate a magnetic ring. The electronic key with hoop will be adsorbed on the reader when it is near reader. Meanwhile, the gilt spring contact on the reader will be turned, then the ID information on the electronic key will be available, It is adopted to the cashier system with time operation.
 - The world's shortest smart belt magnetic ID identification reading device
 - The compactest structure to be used in all kinds of machine
 - Can be read
 - Light and beautiful appearance
 - Lifetime: ≥ 50 Millions

➤ **Environmental Parameter**

- Working ambient temperature: 0℃ - +50℃
- Storage temperature: -20℃ - +55℃
- Working humidity: 10%-90% No solidification
- Atmospheric pressure: 86-106kpa

➤ Setting Program



MSR Configuration

Operations Help

ISO

iButton

iButton

iButton SS: ES:

output order

Attach: Remove:

Attach

Prefix

☐ ASCII ☐ Code

Suffix

☐ ASCII ☐ Code

Extract From

Length

☐ Enable Beep

Remove

Prefix

☐ ASCII ☐ Code

Suffix

☐ ASCII ☐ Code

Extract From

Length

☐ Enable Beep

Load

Nomal Mode

Test Mode

Save

Set Default

Test MSR

Cancel

MSR_INIT

MSR_INIT ERROR

Fingerprint module demonstration

Fingerprint icon:



Enroll fingerprint:

Enter the ID of enroll finger

Enroll fingerprint

Verify fingerprint

Cancel operation

Equipment related:

Open device Close device Quit

Fingerprint library related:

Fingerprint library

Refresh user ID table

Delete specified ID

Clear all IDs

Welcome to the fingerprint module:

RFID Device Demo

Select Card Type:

MifareOne

Communication

USBHID:

VID: 1A86 PID: 8238

open

timeout: S

SetLowPower

MifareOne:

SearchCard

Operation Window:

Sector

Block

☒ A Key ☐ B Key

Key:

1:

2:

3:

4:

Read Card

Write Card

Purse Function:

Sector

Block

☒ A Key ☐ B Key

Key:

Data:

Initialize

Increase

Decrease

Balance

EXIT

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