

# MR730 Series User's Manual

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Please read this manual carefully before using. If any problem, please mail to: [jinmuyu@vip.sina.com](mailto:jinmuyu@vip.sina.com)



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# 1 Overview

MR730 series desktop contactless IC card reader/writer is based on NXP series RF chip. The communication port is Ethernet. The reader fully supports the IC card according to ISO14443 and ISO15693 standard, especially completely support ISO14443-4 contactless CPU card.

The card reader has a built-in SAM card slot, supports any SAM card that complies with the ISO7816 (T=0 & T=1) standard, and supports the reset and operation of SAM cards of any rate.



# 2 Technical parameters

- PCD: CLRC66302
- Working frequency: 13.56MHz
- RF Protocol: ISO14443A, ISO14443B, ISO15693
- Operating distance: 80mm (Mifare One, typical)
- SAM slot: 1 slot, support ISO7816 (T=0 & T=1, support PPS, Max. 115200bps)
- Buzzer: Build in
- Interface: Ethernet, TCP/IP
- Power supply: DC5V  $\pm$  10% or POE
- POE: Comply with IEEE802.3af/at standard, class 0
- Power consumption: <3W
- Dimension: 141mm \* 100mm \* 31mm
- Weight: About 100g
- Operating temperature: -25 ~ +85°C
- Storage temperature: -40 ~ +125°C
- PC software: TransWin, download from <http://www.jinmyu.com>
- SDK: Base on Windows, free
- Sample code: VC, VB, C++ Builder, DELPHI, Power Builder
- ISP: Support



## 3 Cards supported

### 3.1 ISO14443A

- Mifare One S50
- Mifare One S70
- Mifare One Mini
- Mifare Ultra Light
- Desfire
- ISO14443-4 (T=CL) TYPE A dual interface CPU Card

### 3.2 ISO14443B

- AT88RF020
- AT88RF080
- SR176
- SRI512
- SRI1K
- SRI2K
- SRI4K
- SRIX4K
- ISO14443-4 (T=CL) TYPE B dual interface CPU Card

### 3.3 ISO15693

- I.CODE SLI
- Tag-it HF-I
- Other tags compliant with ISO15693

### 3.4 ISO7816

- CPU (SAM) card compliant with ISO7816, supports PPSS operation
- Supports T=0 and T=1
- Supports reset and communication of any rate card (9600, 19200, 38400, 55800, 57600, 115200)



## 4 Model of the reader

### 4.1 Model format

This is the model format of Master Reader series contactless card reader/writer:

1	2	3	4	5	6
MR	730	X	X	X	-XXX

1: Product code; 2: Device class; 3: Communication port; 4: Supported card type;  
5: Color of enclosure; 6: ODM code;

### 4.2 Model description

#### 4.2.1 Communication interface

E: Ethernet interface

#### 4.2.2 Supported card type

A: ISO14443A, MIFARE series, and ISO7816

C: ISO14443A, ISO14443B, MIFARE series, and ISO7816

G: ISO15693 and ISO7816

H: ISO14443A, ISO14443B, ISO15693, MIFARE series, and ISO7816

#### 4.2.3 Color of enclosure

This section can be left blank to default to a white shell. If you prefer a different color, enter the corresponding prefix.

W: White (default, optional)

B: Black

#### 4.2.4 Customized models

In standard products, this part is empty. Some customers may require customized products and use numbers to distinguish different customizations.



## 5 Model available

The models below are available for supply:

- MR730EH

## 6 Network interface configuration

The default working mode is TCP Server, the IP address is 192.168.1.10, and the port number is 1000. You can access 192.168.1.10 through a browser and log in to the configuration page. The default username is admin and the password is 123.

Restore the default configuration: power off, short-circuit P2, power on, disconnect P2 after a delay of more than 1 second, and the card reader will automatically restart.

## 7 About PC Software and API

The PC software for MR730 is TransWin. This is software based on API of the reader. The software supports most function of IC cards. Please download the operation manual and API manual from our website: <http://www.jinmuyu.com>, or contact us with [service@jinmuyu.com](mailto:service@jinmuyu.com).