

MIFARE & ISO14443A & ISO14443B & ISO15693 & ISO7816 DESKTOP IC CARD READER

MR880 Series Desktop IC Card Reader

User's Manual

(Revision 1.00)

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



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1 Overview

MR880 series desktop contactless IC card reader is based on NXP series RF chip with high performance STM32 MCU. The communication is according to USB PC/SC standard. The reader fully supports the IC card according to ISO14443 and ISO15693 standard, especially completely supports ISO14443-4 contactless CPU card. The RF interface and protocol process is with EMV2010 LEVEL 1 certification ability.



The reader builds in 4 SAM slots, and fully supports SAM according to ISO7816.

2 Main Characteristics

- 240 * 128 pixel LCD displayer
- 16 lattice, 24 lattice or 32 lattice available
- Chinese, English or Russian Font available
- Compatible USB PC/SC interface
- 120MHz High speed MCU and advantage firmware provide very high card process speed
- RF protocol process with EMV2010 LEVEL 1 certification ability

3 Technical parameters

- PCD: CL RC663
- Working frequency: 13.56MHz
- RF protocol: ISO14443A, ISO14443B, ISO15693
- Operating distance: 100mm (MIFARE One, typical)
- SAM slots: 4 slots, support ISO7816 (T=0 & T=1, support PPS, Max. 230400bps)
- Display: 4 LED(Red, Yellow, Blue, Green) + LCD (240 * 128 pixel)
- Buzzer: Build in
- RTC: Yes
- Interface: USB PC/SC compatible
- Power supply: DC2.5V~12V
- Power consumption: 0.9W
- Dimension: 158 * 92 * 42(mm)



- Weight: About 220g
- Operating temperature: -25 ~ +85 °C
- Storage temperature: -40 ~ +125 °C
- PC software: PCSC, download from <http://www.jinmuyu.com>
- Sample code: VC
- ISP: Support
- RoHS: Compliant

4 Cards supported

	MR880UH
PCD	CLRC663
MIFARE 1K	●
MIFARE 4K	●
MIFARE Mini	●
MIFARE Ultra Light	●
MIFARE Ultra Light EV1	●
MIFARE Ultra Light C	●
MIFARE DES fire	●
MIFARE DES fire EV1	●
MIFARE Plus	●
T=CL TYPE A	●
SR176	●
SRI512	●
SRI1K	●
SRI2K	●
SRI4K	●
SRIX4K	●
T=CL TYPE B	●
I.CODE 1	●
I.CODE SLI	●
I.CODE SLI-S	●
TI Tag-it series	●
ST LRI series	●
ISO7816 PPS	●
ISO7816 T=0	●
ISO7816 T=1	●



5 USB Driver installation

The driver installation of MR880 is simple. There are 2 ways:

1. Plug the USB header to PC and let Windows find the driver online.
2. The CCID driver is locating on:
CD-ROM: \English\RFID Desktop Readers\PCSC Interface\CCID Driver
Plug the USB header to PC and point the driver path to Windows.

6 About PC Software and API

The PC software for MR880 is PCSC Communication Tool. 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 jinmuyu@vip.sina.com.