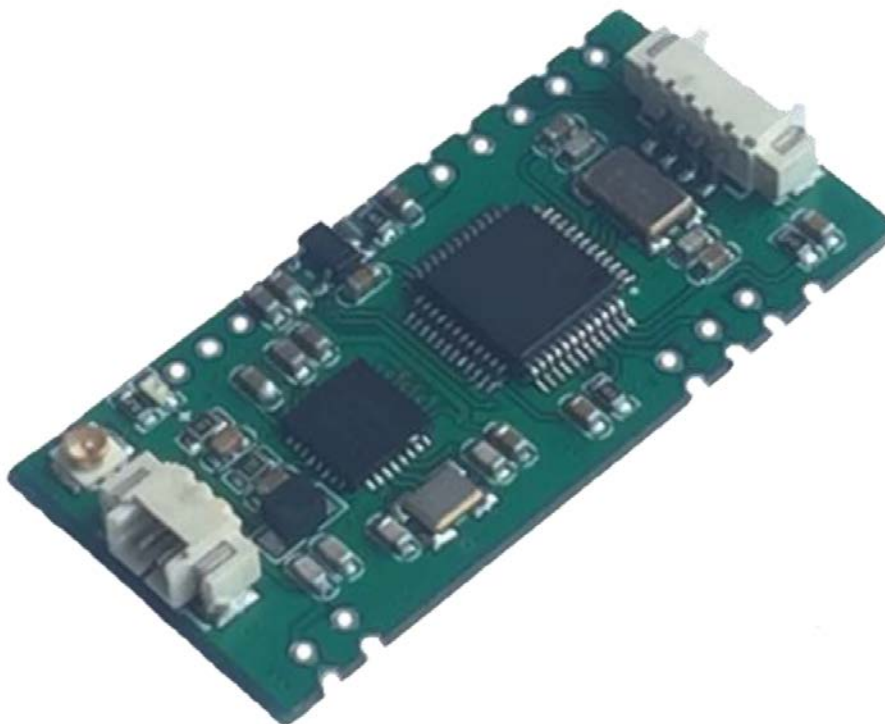


LCD Controller Board Datasheet

Product Name 产品名称	RFID Reader for Banking Card (Quick Pay)
Model No. 型号	SNT-IPDC-M893

1. 主读写模块产品图 : Read and Write Module Image:



2. 尺寸 Dimension : 39*19*6mm

3. 管脚定义 PIN Definition:

符号 ICON	IO 类型 Type	功能描述 Function	上电后的状态 Power-on Status
VCC	Power	Positive (Power)	
GND	Ground/Power	Ground	
RXD	Input/I	UART Receiving	1
TXD	Output/O	UART Sending	1

4. 产品介绍 Product Introduction

M893系列模块是基于13.56MHz 频率的Mifare 卡读写模块，符合ISO/IEC14443-A;ISO/IEC14443-B; ISO/IEC 15693标准，可支持Mifare One S50; Mifare One Ultralight，MifareOneS70;MifarePro;AT88RF020;66CL160S; SR176; SR1X4K; I-code2; TI RFID Tag-it HF-I,EM4135,EM4034等读写数据，以及只读所有卡的UID。

M893能够配置为自动寻卡模块，上电后无需向模块发送任何命令，只要有卡靠近模块就能主动通过uart 发送卡号。

M893系列RFID读写模块具有易用、高可靠、多种接口、体积小等特点，可帮助用户方便、快捷地将最流行的非接触式IC 卡技术融入到系统中。

典型应用：

POS机，门禁系统，一卡通系统，商品防伪，生产过程管理等.

M893 series modules are Mifare card read/write module which is based on 13.56MHz frequency, comply with ISO/IEC14443-A; ISO/IEC14443-B; ISO/IEC 15693 standards, can support Mifare One S50; Mifare One Ultralight, MifareOneS70; MifarePro; AT88RF020; 66CL160S; SR176; SR1X4K; I-code2; TI RFID Tag-it HF-I, EM4135, EM4034, etc. to read and write data, and read only the UID of all cards.

M893 can be configured as an automatic card detection module. After power on, there is no need to send any commands to the module. As long as there is a card close to the module, it can actively send the card number through uart.

The M893 series RFID read-write module has the characteristics of easy-to-use, high reliability, multiple interfaces and small size, which can help users to integrate the most popular non-contact IC card technology into the system easily and quickly.

Application:

POS machine, access control system, all-in-one card system, product anti-counterfeiting, production process management, etc.

5. 技术参数 Technical Datasheet

频率 Frequency	13.56 MHz
波特率 Baud Rate	9600-115200bit/s (can be configured, default 9600)
支持标准 (Standard Supported)	ISO/IEC14443-A; ISO/IEC 14443-B; ISO/IEC 15963
支持卡片 Card Supported	Mifare One S50; Mifare One Ultralight; Mifare One S70; MifarePro; AT88RF020; 66CL160S; SR176; SR1X4K, I-code; TI RFID Tag-it HF-I, EM4135, EM4034
接口 Port	TTL (UART)
电源 Power	DC3.3V or 5V (Optional)
电流 Current	<70mA
工作距离 Working Distance	50mm (depend on tag size/design and Antenna)
工作温度 Working Temperature	-10°C~+70°C
储藏温度 Storage Temperature	-20°C~+80°C

Remarks: 提供底层通讯协议，便于客户二次开发。

We provide communication protocol to facilitate a secondary development by customer.

In case of any question, please feel free to contact our technical supporting team, Email: service@sinotronics.com

