

MT626V202 instructions

1. Product overview

MT626V202 is a contactless MIFARE®ONE (MF1) reader module, it is based on 13.56MHZ communication frequency. It can be widely used in terminal peripherals in electric power, telecommunications, transportation, petrochemical and other industrial occasions.

2. Interface definition

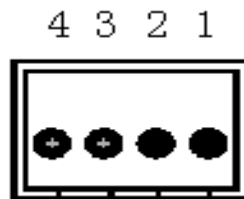
This product adopts RS-232C three-wire serial port and shares a J6 interface with the power supply.

Communication configuration: RS232C Signal levels

Transmission speed 115200bps

Power supply: DC 5V.

J6 interface socket specifications: 4Pins-2.54mm straight pin socket with a pitch as shown below



Foot number	Pin name	Input/output	illustrate
1	PW+	P	Digital power supply
2	RXD	I	Serial port reception (RS232 level).
3	TXD	Or	Serial port transmission (RS232 level).
4	GND	G	Digitally

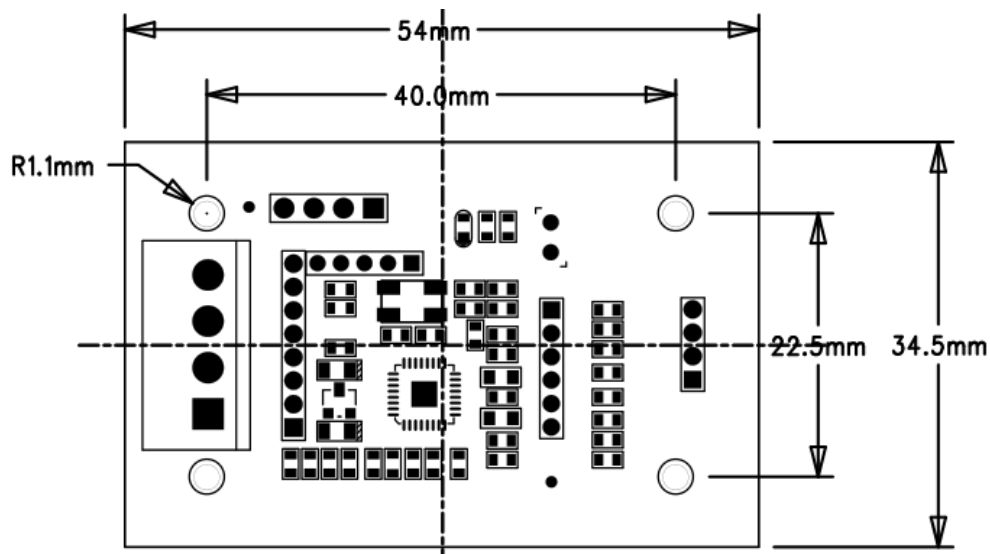
Note: The input (I) output (O) shown in the table above is relative to this product.

3. Performance indicators

Card types are supported	illustrate
RF card	ISO14443 MIFARE® ONE (MF1)
Read and write RF card performance	
Read and write distance	Approx. 4cm (related to usage environment, card, and power supply).
Electrical characteristics	
Operating voltage	5V±5%
Operating current	≤150mA(DC 5V)
Quiescent current	≤30mA(DC 5V)
Work instructions	
LED	D1: Status indication D6: Power indication
Environmental conditions temperature	
Storage	-40 ~ +75°C (10% ~ 80% RH non-condensation).
Operating	-40 ~ +75°C (10% ~ 90% RH non-condensation).

4. Installation size

The installation dimensions of the card reader module are as follows:



The unit is mm, R is the radius, and the mounting hole is symmetrical with the center point of the plate.

5. The card reader module is started for use

(1) Define the wiring according to the interface of this product, connect the power supply and communication lines, as shown below



(2) Connect the host/PC with the serial port of the card reader and power on ;

(Note: Please confirm the correct serial port number is selected, that is connected with your card read module)

(3) Run the host/PC software matching this product to use.

6. FCC regulatory compliance statement

● Statement

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.

● Information to user

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

● List of applicable FCC rules:

47 CFR Part 15, Subpart C 15.203
47 CFR Part 15, Subpart C 15.205
47 CFR Part 15, Subpart C 15.207
47 CFR Part 15, Subpart C 15.209
47 CFR Part 15, Subpart C 15.225
47 CFR Part 2.1093

● Summarize the specific operational use conditions

This module can be used in IOT devices, the input voltage to the module is nominally 5V.

● Limited module procedures

This module is a limited module.

● Trace antenna designs

The antenna is a PCB onboard antenna.

● RF exposure considerations

This Module complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment

should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

- **Antennas**

If you desire to increase antenna gain and either change antenna type or use same antenna type certified, a Class II permissive change application is required to be filed by us, or you (host manufacturer) can take responsibility through the change in FCC ID (new application) procedure followed by a Class II permissive change application.

- **Label and compliance information**

Please notice that if the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module.

- **Information on test modes and additional testing requirements**

Test software : MT626V-CE

Frequencies: 13.56MHZ

Modulation Type: ASK

- **FCC other Parts, Part 15B Compliance Requirements for Host product manufacturer**

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

ISED compliance statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

The licence-exempt **transmitter**/receiver contained in this apparatus complies with **Innovation**, Science and Economic Development Canada's RSS applicable to licence-exempt radio apparatus. The operation is authorized under the following two conditions:

- (1) The apparatus shall not cause interference;
- (2) The apparatus shall accept any electrical radio interference suffered, even if the interference is likely to compromise its operation.

ISED Radiation Exposure statement

Please notice that if the IC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains IC: 30852-MT626V202" any similar wording that expresses the same meaning may be used.

The registration label for an Innovation, Science and Economic Development Canada module must be placed on the host product in a conspicuous place at all times. If there is no label, the host product must be labelled with the Innovation, Science and Economic Development Canada module registration number, preceded by the word "contains ", or similar wording along the same lines, which reads as follows:

Contains IC: 30852-MT626V202 is the approval number of the module.