PS-RFK100 Card reader instruction manual

SHENZHEN PENGSHICHUANGXIN TECH CO..LTD.

目录

1、Features

➢ Communication interface: TTL (standard), RS232 serial port, baud rate is 115200 by default.

- ✓ Working Voltage： DC 5V；

- ✓ Working Current ≤50mA;

- ✓ LED Indicator light

- ✓ Buzzer (Optional)

- ✓ Readable card TYPE: Support ISO14443 TYPE A/B, ISO/IEC 15693 and F card (MIFARE series MIFARE S50, S70, UL, etc.)

- ✓ Read card distance： The reading distance of the built-in antenna can reach about 50mm (related to the environment);

- ✓ CE compliant

- ✓ Dimensions: 54mm*34.5mm

- ✓ Working environment: -25~+80 ℃

- ✓ Storage environment: -40 ~ +80 ℃

1、Description

PS-RFK100 is a non-contact card reader module developed based on 13.56MHZ frequency radio frequency technology. The module adopts TTL and RS232 serial port interface design and is controlled by communication protocol to facilitate device access and development.

Card reader module support ISO14443 TYPE A/B, ISO/IEC 15693 and Felica protocol card reading and writing, the product is suitable for indoor and outdoor working environment, with high security, strong stability, long working life and other characteristics.

This product is suitable for charging pile equipment, self-service card issuing equipment, self-service payment card reading equipment, as well as identity identification, access control and building card reading applications.

3、Module application

- ➢ charging pile equipment;

- ➢ self-service card issuing machine equipment;

- ➢ electronic payment;

- ➢ Public transport;

- ➢ identification;

- ➢ e-health;

- ➢ building intercom;

4、**Interface Specifier**

Module pin:

PIN	Function	Type	Description
1	GND	VCC	VCC
2	TXD	TXD	UART Send
3	RXD	RXD	UART Reception
4	VCC	GND	gnd

Crystal : 27.12MHz

oscillator power:5V

antenna:53*33mm

PIN Description:

5. Module size

R1.6 mm

54.0mm

40.0mm

34.5mm

22.5mm
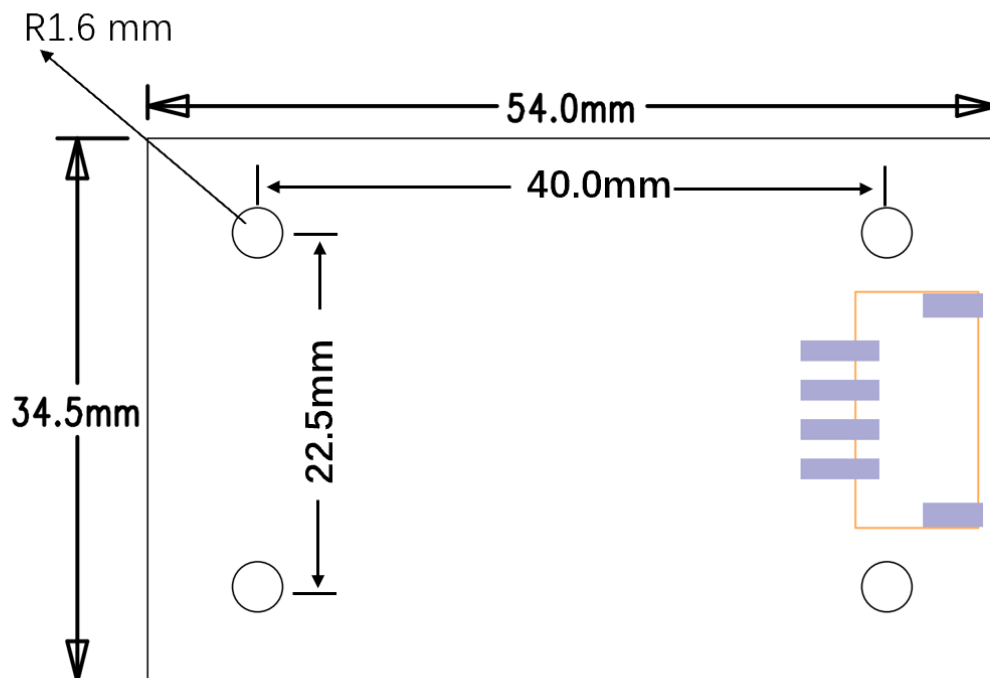
6、Installation Instructions

The installation environment of the RF card reader needs to pay attention to. Because metal reflects and shields electromagnetic waves, metal has a certain impact on the reader and label. If there is metal nearby, the reading distance of the label will be reduced.

Therefore, when installing the card reader, the antenna coil of the card reader should be far away from the metal, and the distance between the four sides of the coil and the metal is generally recommended to be greater than 5cm.

Contact us

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Federal Communications Commission (FCC) 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.Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide Reasonable protection against harmful interference in a residential installation. This equipment generates,uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
•Reorient or relocate the receiving antenna.
•Increase the separation between the equipment and receiver.
•Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
•Consult the dealer or an experienced radio/TV technician for help.
Warning: Changes or modifications made to this device not expressly approved by Shenzhen Pengshi Innovation Technology Co., LTD
may void the FCC authorization to operate this device.Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

RFexposurestatement:
This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.The device is installed and operated without restriction.