User manual

Instructions for use:

Take Arduino UNO microcontroller as an example

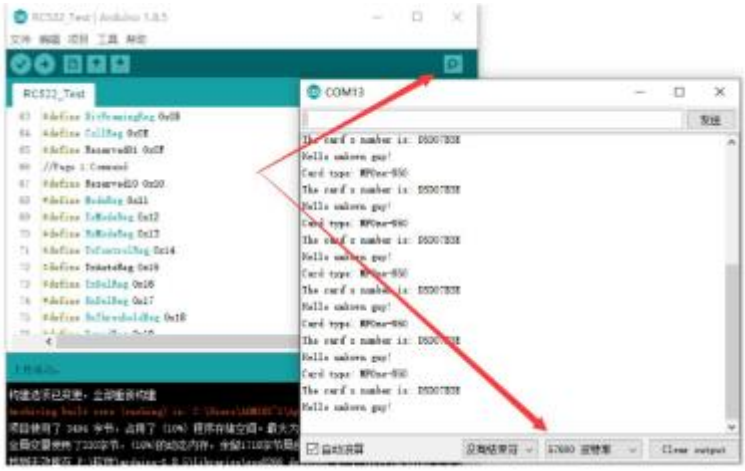
1. First upload the program in the data to the Arduino UNO microcontroller:

2. Wire the HW-126 module to the Arduino UNO microcontroller as shown below:

Arduino UNO		HW-126
D10	—	SDA
D13	—	SCK
D11	—	MOSI
D12	—	MISO
D5	—	RST
GND	—	GND
3.3V	—	3.3V

3.3. Open the serial monitor and set the baud rate to 57600 to directly read the white card or blue alien

Card data:



Introduction to RFID Module

The MF522-AN module adopts the Philips MFRC522 chip to design the card reading power Road, easy to use, low cost, suitable for equipment development, card reader development, etc.

Users of advanced applications, those who need to design/produce RF card terminals Household. This module can be directly loaded into various card reader molds. module voltage

It is 3.3V, and can directly communicate with the user through a few simple lines through the sPI interface.

Any CPU motherboard is connected to communicate, which can ensure the stable and reliable operation of the module, Card reading distance is far.

The device used internal antenna, the antenna gain is 0dBi

FCC Statement

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.

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.

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

Important Note:

In the event that these conditions cannot be met (for example certain laptop configurations or co‐location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re‐evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

Radiation Exposure Statement:

This module support RF(13.56MHz) which compliance with part 15.225 and apply for limit single module approval .

The module is limited to OEM installation only.

The OEM integrator is responsible for ensuring that the end-user has no manual instruction to remove or install module.

OEM integrator shall equipped the antenna to compliance with antenna requirement part 15.203& 15.204 and must not be co-located or operating in conjunction with any other antenna or transmitters. And OEM host shall implement a Class II Permissive Change (C2PC) or a new FCC ID to demonstrate complied with FCC standard.

The OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed.

The final end product must be labelled in a visible area with the following: “Contains FCC ID:2A55L-RC522”