

Unit RFID2

SKU:U031-B



Description

Unit RFID2 is a radio frequency identification (RFID) read/write unit based on the 13.56MHz frequency band. It integrates the WS1850S chip and complies with the ISO/IEC 14443 Type A/B standard, supporting data read/write operations for RFID cards such as MIFARE and NTAG series. The unit communicates via the I2C interface, has a read/write distance of less than 20mm, and features a LEGO-compatible mounting hole design, making it easy to integrate into creative structures or secure with screws. It is suitable for access control systems, identity authentication, data logging, and other application scenarios that require information verification.

Compared to the previous-generation Unit RFID, Unit RFID2 only replaces the read/write IC (RC522 -> WS1850S), with no functional differences.

Features

- Core Chip: WS1850S
- Operating Frequency: 13.56 MHz
- Supported Standards: ISO/IEC 14443 Type A/B
- Communication Interface: I2C
- Read/Write Distance: < 20mm
- 2 x LEGO-Compatible Mounting Holes
- Development Platform
 - UiFlow1
 - UiFlow2
 - Arduino IDE

Includes

- 1 x Unit RFID2
- 1 x HY2.0-4P Grove Cable (20cm)

Applications

- Smart home access control system
- Vehicle management
- Intelligent transportation
- Smart bookshelf

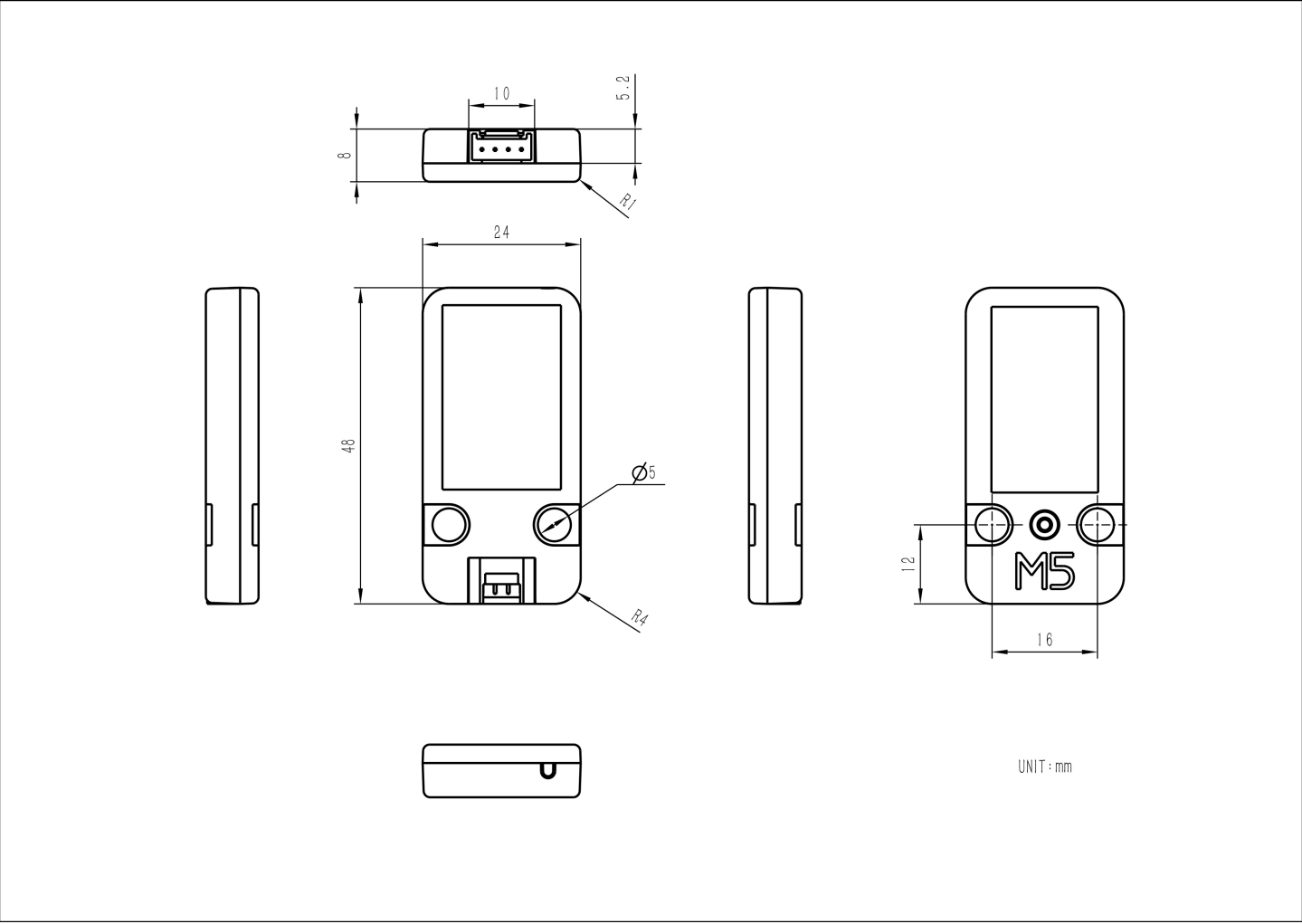
Specifications

PinMap

Unit RFID2

HY2.0-4P	Black	Red	Yellow	White
PORT.A	GND	5V	SDA	SCL

Model Size



Structure

- Unit RFID2 Structure Files

Datasheets

- WS1850S
- MFRC522

Softwares

Arduino

- [Unit RFID2 Arduino Tutorial](#)

UiFlow1

- [Unit RFID UiFlow1 Docs](#)

UiFlow2

- [Unit RFID UiFlow2 Docs](#)

EasyLoader

Easyloader	Download	Note
Unit RFID Test Easyloader	download	/

Video

- Unit RFID2 Product Introduction and Feature Demonstration

[U031-B-Unit-RFID2-video-EN.mp4](#)