

Unit RF433R

SKU:U113



Description

Unit RF433R is an RF wireless radio frequency receiver, using the SYN531R radio frequency receiver, operating at the commonly used 433.92MHz for wireless controllers (with ASK modulation). It features a built-in PCB antenna with a stable signal reception distance up to 10M and a typical receiver sensitivity of -109dBm. The compact and delicate housing design allows integration into various RF remote control applications. It is suitable for security alarms, wireless automatic meter reading, home and industrial automation, remote control, wireless data transmission, and other system fields.

Features

- Operating frequency: 433.92MHz
- High sensitivity of -109dBm, reception rate of 1Kbps (ASK modulation)
- PCB antenna
- Excellent selectivity and noise suppression

Includes

- 1 x Unit RF433R
- 1 x HY2.0-4P Grove Cable (20cm)

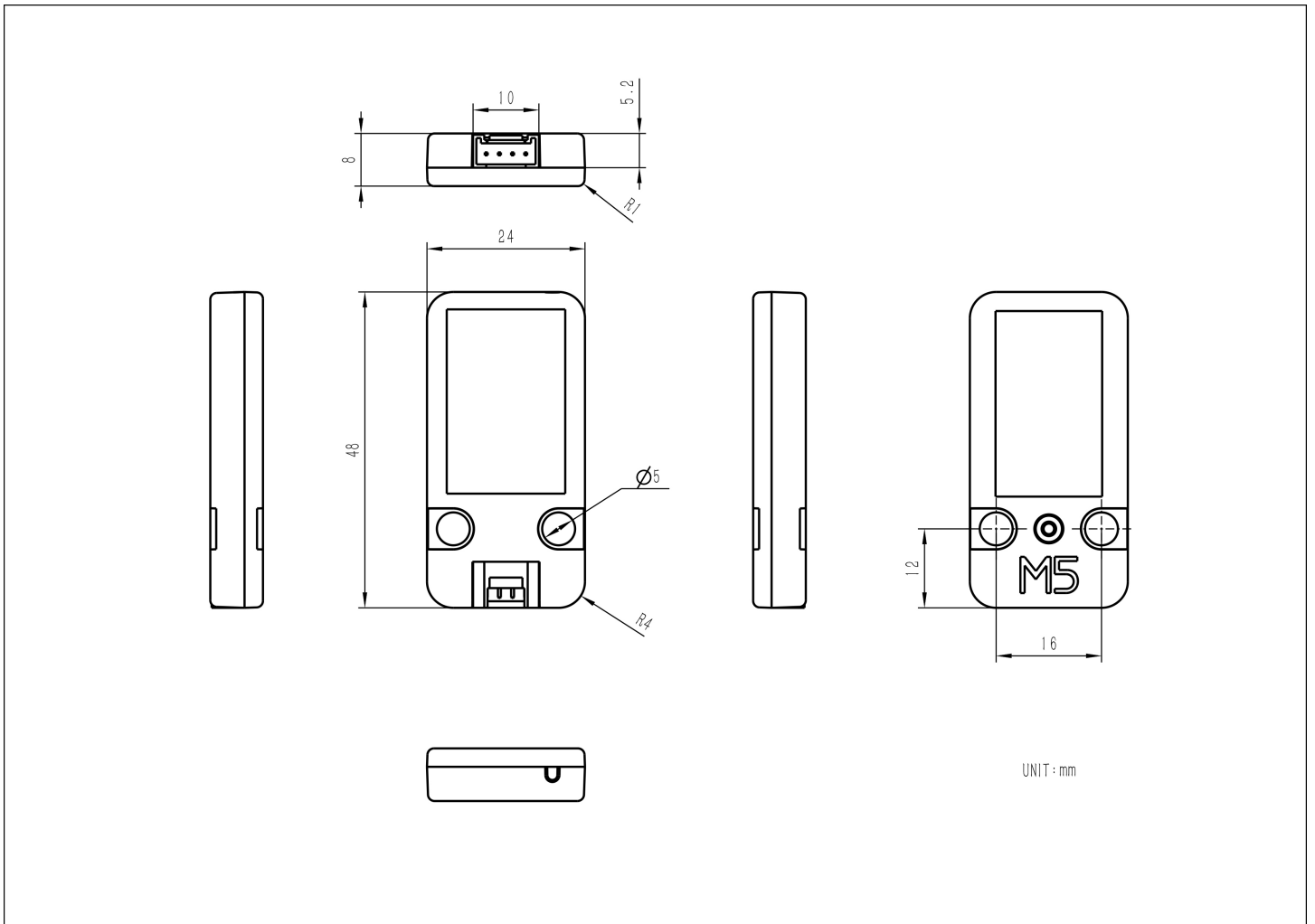
Applications

- Building automation
- Security alarm
- Home and industrial automation
- Remote control
- Wireless data transmission and other system fields

Specifications

Specification	Parameter
Receiver IC	SYN531R
Operating Current	8mA
Stable Range	10M
Typical Sensitivity	-109dBm
Antenna Type	PCB antenna
Product Size	48.0 x 24.0 x 8.0mm
Product Weight	6.9g
Package Size	138.0 x 93.0 x 9.0mm
Gross Weight	12.1g

Schematics



Datasheets

- [SYN531R](#)

Softwares

Arduino

- [Unit RF433R T/R Example](#)

UiFlow2

- [Unit RF433R UiFlow2 Docs](#)

Video

[RF433T.R_VIDEO.mp4](#)