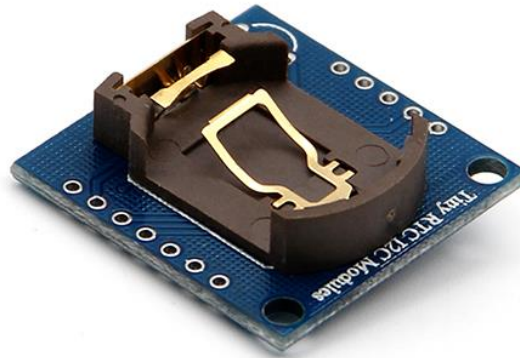# Arduino Module RTC DS1307

# Model:Tiny RTC I2C



## Description:

The DS1307 is basically just like a watch – it runs on a battery and keeps time for you even when there is a power outage! Using an RTC, you can keep track of long timelines, even if you reprogram your microcontroller or disconnect it from USB or a power plug.

## Features:

- 24C32 32K I2C EEPROM memory.
- Using LIR2032 rechargeable lithium battery with charging circuit.
- Solve the problem of no literacy of the DS1307 with backup battery.
- Support timing 1 year of the DS1307 after fully charged.
- Leads to the DS1307 clock pin provides a clock signal for the microcontroller.
- Other I2C devices can be cascaded.

## Specifications:

- Operating Voltage :5 V
- Real time clock generator seconds, minutes, hours, day, date, month and year timing and provide valid until the year 2100 leap year compensation.
- Battery Type: LIR2032 (not included).
- IIC bus interface, the maximum transmission speed of 400 KHz (working voltage of 5V).
- Can be cascaded with other IIC device, 24C32 addresses can be shorted A0/A1/A2 modify default address is 0x57.
- Size: 27x28x8.4mm
- Weight: 8g

## More Detailed Photos:



*Made in China*