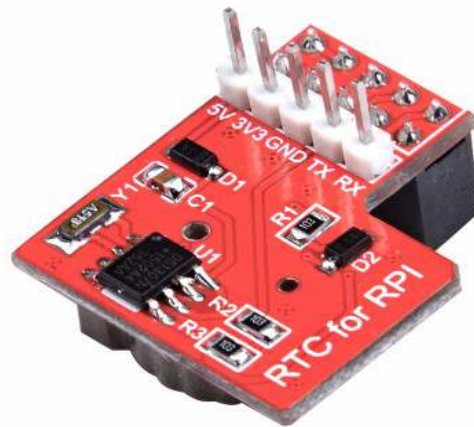# Raspberry Pi RTC Expansion Module v1.1

SKU 114100001

DESCRIPTION

The RTC module is specifically designed for Raspberry Pi. It communicated with Raspberry Pi through I2C bus. There is a Maxim DS1307 and CR1220 button cell on the board to keep the real time for a long time after the Raspberry Pi has it's power off. In order to offering a convenient way to debug, there are five pin has been setup which are 5v, 3.3v, Rxd,Txd on borad.

FEATURES

- Use Maxim DS1307 chip
- Extends CR1220 button cell backup
- Can be operated by a shell
- Set a serial port connector
- Programmable square-wave output signal
- Consumes Less than 500nA in Battery-Backup Mode
- Automatic Power-Fail Detect and Switch Circuitry
- Programmable Square-Wave Output Signal

PARAMETERS

- Accuracy ±2ppm from 0°C to +40°C
- Work voltage 5V
- Battery Backup Input for Continuous Time keeping
- Real-Time Clock Counts Seconds, Minutes, Hours, Day, Date, Month, and Year with Leap Year • Compensation Valid Up to 2100
- Work temperature 0°C to +70°C

PART LIST

- 1 x RTC Module