

INDUSTRIAL PRODUCT DATASHEET

Pi RTC (DS1307)

The Pi RTC (DS1307) adds accurate real-time clock functionality with battery backup to Raspberry Pi via I2C.

SKU

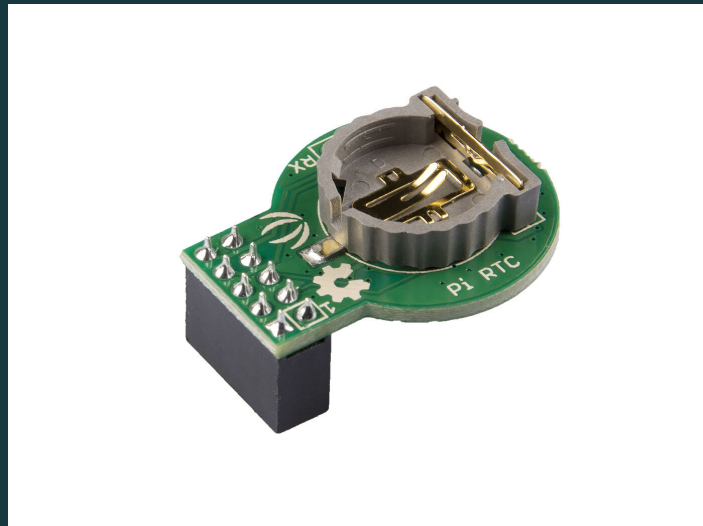
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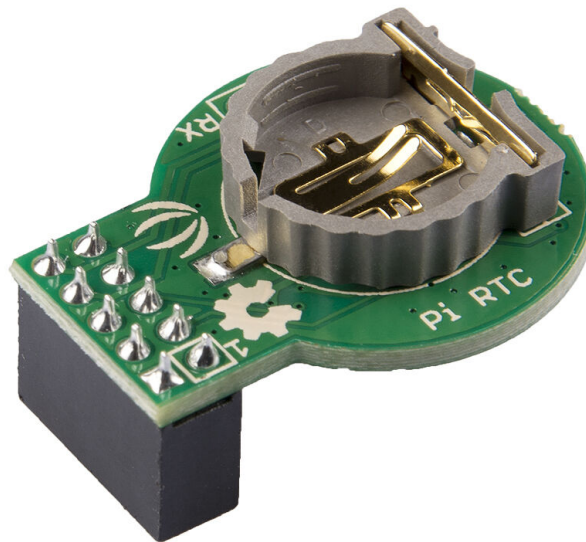
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PRICE

\$4.45(Excl. VAT)



Overview



The Pi RTC (DS1307) is an I2C-based real-time clock module for Raspberry Pi using the DS1307 chip. It tracks seconds, minutes, hours, date, day, month, and year with leap-year compensation valid up to 2100, supports 24/12-hour format, and includes 56-byte NV RAM, programmable squarewave output, and automatic power-fail detection.

Key Features

Tip

This product is fully compatible with Raspberry Pi 4 (1GB, 2GB, 4GB) and hopes you enjoy hacking with Pi 4 and all of other **Pi 4 accessories**.

The Pi RTC is based on the clock chip DS1307, it can provide a real-time clock(RTC) for raspberry pi via the I2C interface. Real-time clock of this module counts seconds, minutes, hours, date of the month, month, day of the week, and year with leap-year compensation valid up to 2100. The clock operates in either the 24-hour or 12-hour format with AM/PM indicator. If you want to keep this module timing when the Raspberry Pi is powered off, you need to put a 3-Volt CR1225 lithium cell in the battery-holder.

Feature

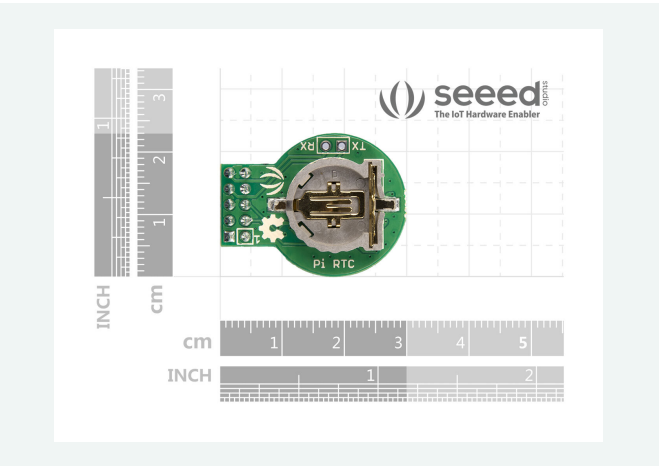
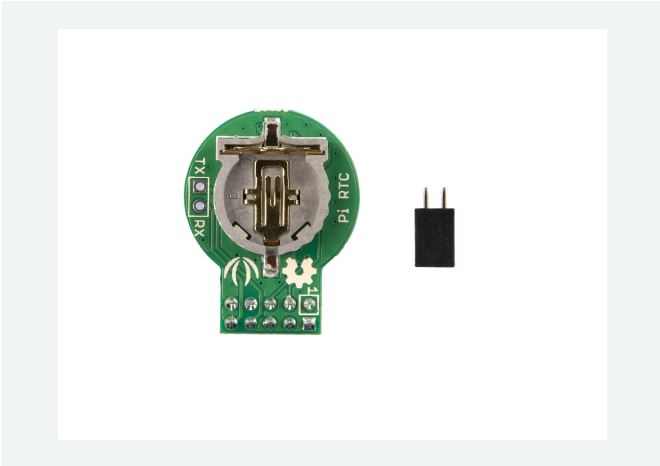
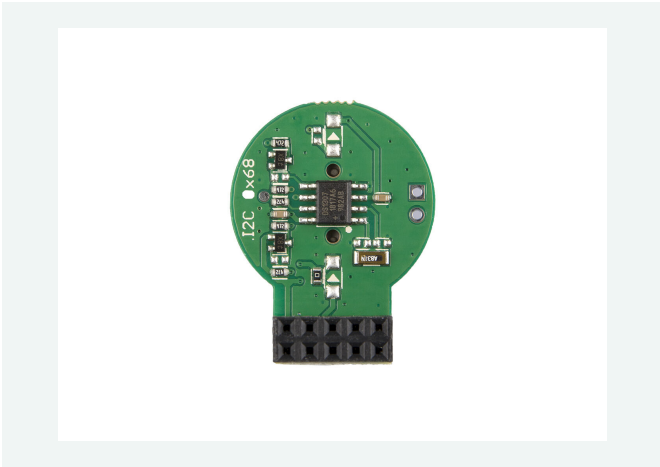
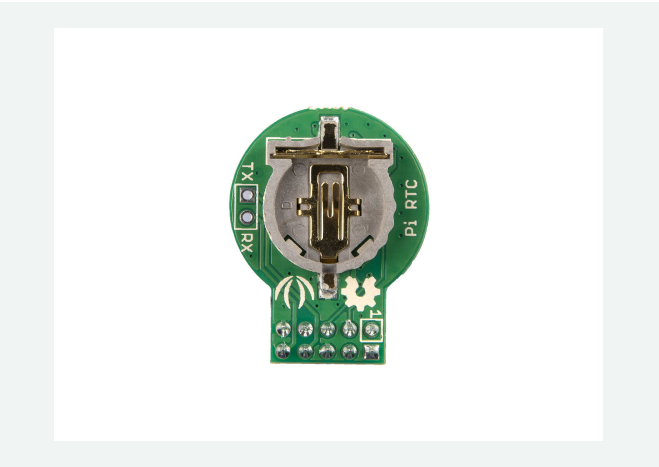
- Support Raspberry Pi 2/ 3 B/B+ Zero/4
- Support seconds, minutes, hours, day of week, month, year
- Support 24-hour or 12-hour format with AM/PM indicator
- 56-byte, battery-backed, nonvolatile (NV) RAM for data storage
- Programmable squarewave output signal
- Automatic power-fail detect and switch circuitry

Typical applications

- Applications need Real Time on Raspberry.

Pin Out

Product Gallery



Part List

Pi RTC(DS1307)	1
2pin header	1

Compliance & Logistics



HSCODE	8473309000
USHSCODE	8473309100
UPC	841454121657
EUHSCODE	8473302000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/Pi-RTC-DS1307.html>
- [Pi RTC\(DS1307\) Eagle Files](#)
- [Seeed Pi RTC Library](#)
- [Datasheet DS1307](#)

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