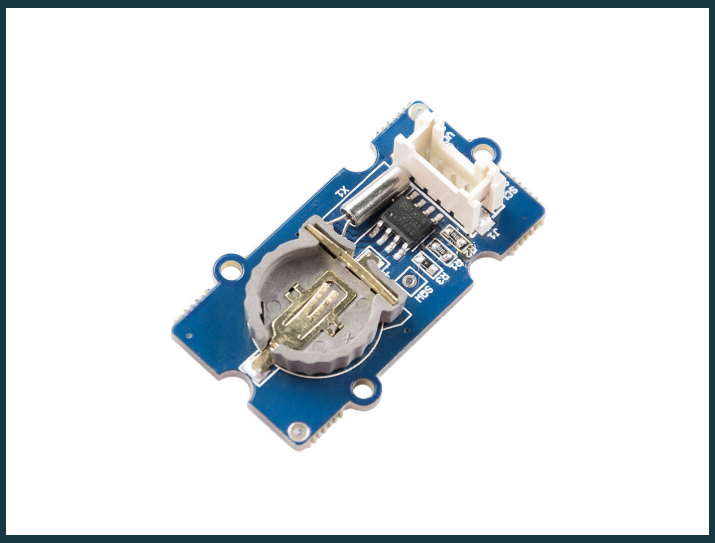
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INDUSTRIAL PRODUCT DATASHEET

Grove - DS1307 RTC (Real Time Clock) for Arduino

Grove - DS1307 RTC is based on the clock chip DS1307 and supports I2C communication! It uses a Lithium cell battery (CR1225).

SKU	UPDATED	PRICE
101020013	2026-11-11 07:33:54	$6.90(Excl. VAT)



Overview



Grove - DS1307 RTC is based on the clock chip DS1307 and supports I2C communication! It uses a Lithium cell battery (CR1225). We choose to use the RTC based on DS1307 as it is low cost and also very energy efficient. It can run for years on a very small coin cell.

Key Features

01 **Complete functionality**

Real-time clock (RTC) counts seconds, minutes, hours, date of the month, month, day of the week, and year with leap-year compensation valid up to 2100.

02 **Power detection**

Automatic power-fail detect and switch circuitry.

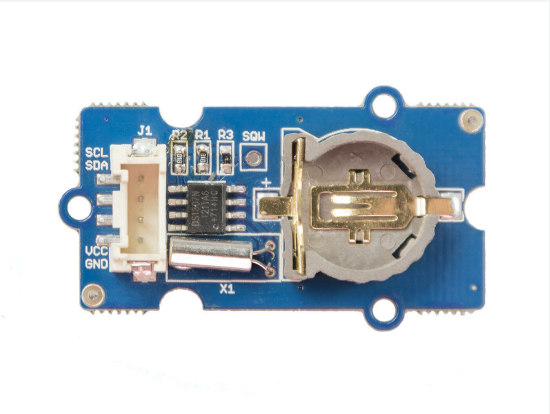
03 **Longevity**

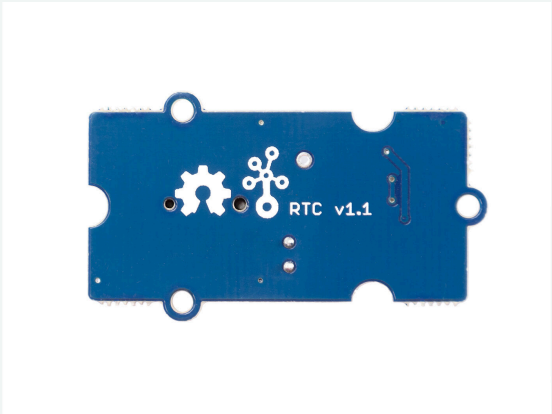
Consumes less than 500nA in battery backup mode with oscillator running

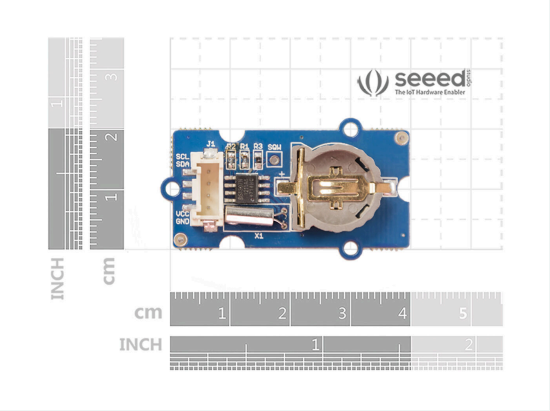
04 **Grove unified socket**

The product ensures "Plug and Play" and could be versatile for various applications.

Product Gallery







Applications

- **Real Time Clock**

Resource Links

- https://www.seeedstudio.com/Grove-RTC-DS1307.html
- Grove-RTC in Eagle format
- Grove-RTC Schematic in PDF format
- Grove-RTC PCB in PDF format
- Github repository for RTC
- DS1307 Datasheet

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