High Accuracy Pi RTC (DS3231)

SKU 103030278

The High Accuracy Pi RTC is based on the clock chip DS3231, the DS3231 is a low-cost, extremely accurate I2C realtime clock (RTC). It can provide a real-time clock(RTC) for raspberry pi via the I2C interface. With the clock source from the TCXO(temperaturecompensated crystal oscillator), the RTC provides seconds, minutes, hours, day, date, month, and year information. The date at the end of the month is automatically adjusted for months with fewer than 31 days, including corrections for leap year.The clock operates in either the 24-hour or 12-hour format with an AM/PM indicator.

The clock provides two programmable time-of-day alarms and a programmable square-wave output. The INT/SQW pin either generates an interrupt due to alarm condition or outputs a square-wave signal and the selection is controlled by the bit INTCN.

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.
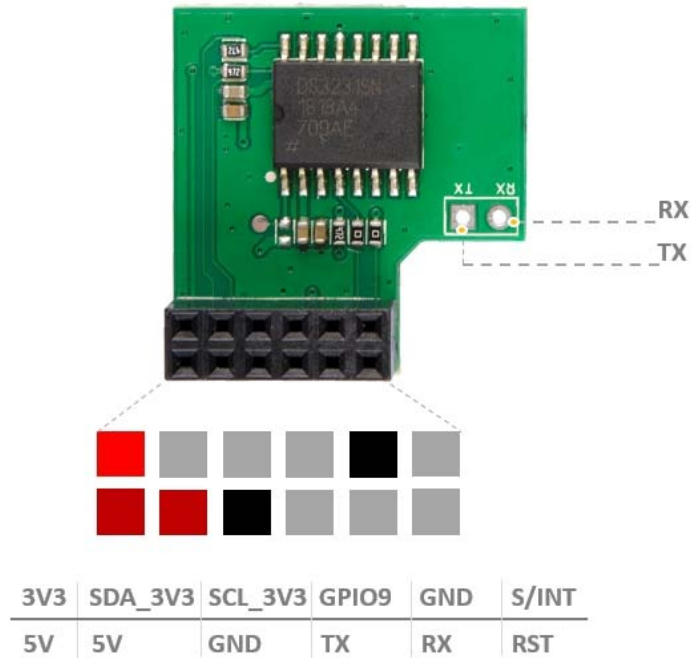
Feature

- Support Raspberry Pi 2/ 3 B/B+ Zero
- Suport seconds,minuutes,hours,day of week,month, year
- Support 24-hour or 12-hour format with AM/PM indicator
- Low-Power Consumption
- Two Time-of-Day Alarms
- Fast (400kHz) I2C Interface

Typical Applications

- Any applications need Real Time on Raspberry.

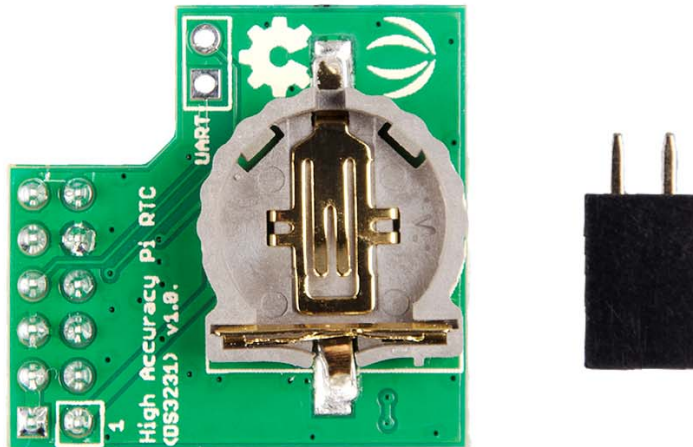## Pin Out

3V3	SDA_3V3	SCL_3V3	GPIO9	GND	S/INT
5V	5V	GND	TX	RX	RST

Technical Details

Dimensions	25mm x 25mm x 15mm
Weight	G.W 13.90g
Battery	Exclude

Part List

High Accuracy Pi RTC (DS3231)	1
2pin Header	1

ECCN/HTS

ECCN	EAR99
HSCODE	8473309000

https://www.seeedstudio.com/High%20Accuracy%20Pi%20RTC%20(DS3231)-p-3214.html/12-4-18