

Real Time Clock Serial 8-Pin SOIC N (Alt: DS3231MZ+)

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOP-8
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DS3231MZ+ or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

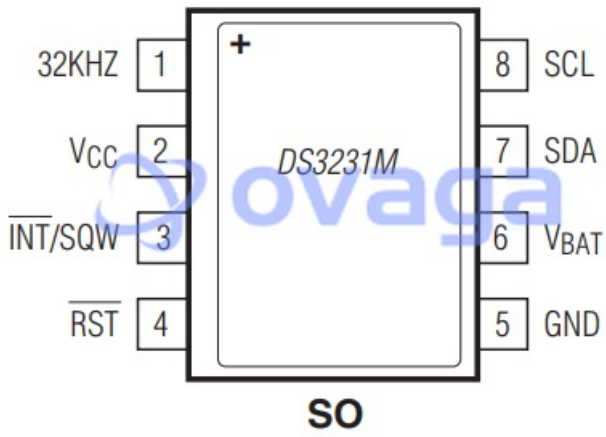
DS3231MZ+ is a highly accurate and low-power real-time clock (RTC) module produced by Maxim Integrated. It features a temperature-compensated crystal oscillator (TCXO) with an accuracy of  $\pm 2$  ppm over the entire operating temperature range ( $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ ), which provides highly precise timekeeping.

## Features

- RTC module with highly accurate timekeeping
- Low-power consumption, with a backup supply current of only  $0.5\ \mu\text{A}$
- Integrated temperature sensor for accurate temperature measurement
- I2C interface for easy communication with microcontrollers and other devices
- Battery backup for continuous timekeeping even when main power is lost
- 16-pin SOIC package for easy mounting on printed circuit boards

## Application

- Real-time clock (RTC) applications
- Electronic timers and alarms
- Data loggers and time-stamping devices
- Industrial automation and control systems
- Medical equipment and devices



**Related Products**



[DS1307+](#)

Analog Devices, Inc  
SOP8



[DS12R887-33](#)

Analog Devices, Inc  
BGA48



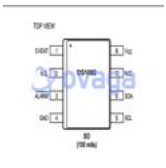
[DS3232SN#](#)

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SOIC-20



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