

RTC, TCXO, CRYSTAL, 3.3V

Manufacturers	<a href="#">Analog Devices, Inc</a>
Package/Case	SOP-16
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DS3231SN or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

DS3231SN is a real-time clock (RTC) IC (integrated circuit) manufactured by Maxim Integrated. It is a low-cost, extremely accurate I2C (Inter-Integrated Circuit) real-time clock with an integrated temperature-compensated crystal oscillator (TCXO) and crystal.

## Features

**Accuracy:** The DS3231SN has an accuracy of  $\pm 2$ ppm from 0°C to +40°C.

**Temperature Sensor:** The built-in temperature sensor can measure the ambient temperature from -40°C to +85°C with an accuracy of  $\pm 3$ °C.

**Low Power:** It operates at very low power consumption and has a battery backup function.

**Timekeeping:** The DS3231SN provides year, month, day, weekday, hours, minutes, and seconds information.

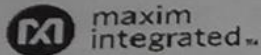
**Alarm Function:** It has two programmable time-of-day alarms and a square-wave output.

## Application

It can be used in various applications that require accurate and reliable timekeeping, such as servers, industrial controllers, and instrumentation systems.

It is also used in data loggers, digital cameras, and audio equipment.

It is suitable for battery-powered devices because of its low power consumption.



Sales Order / Line  
1817045 / 10



HU: 1023597189  
DN: 802458334

(K) PO.No: 4501295548



(P) Cust PN:

(Q) Quantity: ~~1000~~ 470



(10D) Date Code: 1330



(V) Supplier:

(1P) Maxim PN: DS3231SN#T&R



(1T) Batch: 0001602228



(4L) Origin: PH



Program Version:

RoHS  
Exempt  
2011/65/EU

HF  
Halogen  
Free

2nd Level Interconnect  
Category: e3  
Max Safe Temp: 260°C



### Related Products



[DS1307+](#)

Analog Devices, Inc  
SOP8



[DS12R887-33](#)

Analog Devices, Inc  
BGA48



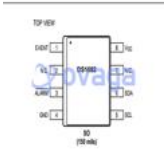
**[DS3232SN#](#)**

Analog Devices, Inc  
SOIC-20



**[DS1338Z-33+](#)**

Analog Devices, Inc  
SOIC-8



**[DS1682S+T&R](#)**

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**[DS1374U-33](#)**

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DIP-28