

Real Time Clock I2C RTC w/Trickle Charger

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



Images are for reference only

Please submit RFQ for DS1340U-33 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

DS1340U-33 is a real-time clock (RTC) chip produced by Maxim Integrated. The "U" in the part number indicates that it comes in a surface-mount package, while "33" indicates that it operates at a voltage of 3.3 volts.

## Features

- It has a built-in oscillator with an accuracy of  $\pm 5$ ppm at room temperature.
- It operates in a wide temperature range of  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .
- It has a low battery indicator and a programmable alarm.
- It communicates with the host using a simple serial interface, supporting both I2C and SPI protocols.
- It has a backup power supply input that can be used to power the chip in case of a power failure.

## Application

- Embedded systems and microcontrollers
- Medical devices and industrial automation
- Data logging and record keeping
- Timing and scheduling applications



## 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**

Analog Devices, Inc  
SOP8



**DS1374U-33**

Analog Devices, Inc  
MSOP10



**DS1338Z-33**

Analog Devices, Inc  
SOIC-8



**DS1644-120+**

Analog Devices, Inc  
DIP-28