

Serial Real-Time Clock

Manufacturers	Analog Devices, Inc
Package/Case	MSOP-8
Product Type	Clock & Timer ICs
RoHS	
Lifecycle	



Images are for reference only

Please submit RFQ for DS1339U-33 or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

DS1339U-33 is a real-time clock (RTC) IC (Integrated Circuit) produced by Maxim Integrated. It is a low-power, serial, I2C clock/calendar with an integrated temperature-compensated crystal oscillator (TCXO) and SRAM. The device can provide accurate timekeeping and calendar functions for various applications.

Features

- Low power consumption: 200 nA (typical) at 3.3V
- Wide operating voltage range: 2.3V to 5.5V
- I2C interface supports 400 kHz protocol
- Integrated temperature-compensated crystal oscillator (TCXO)
- Automotive: dashboard clocks, event data recorders, etc.
- Automatic backup power switch-over and write protection
- Two time-of-day alarms
- 236 bytes of nonvolatile (NV) RAM
- Industrial temperature range: -40°C to +85°C

Application

- Consumer electronics: smart home devices, security systems, digital cameras, etc.
- Medical devices: glucose meters, infusion pumps, etc.
- Industrial control systems: process control, automation, etc.





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