
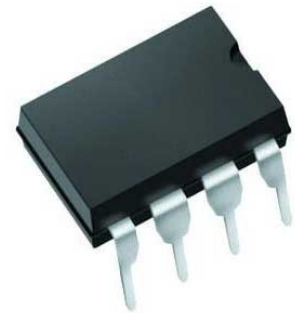


## Real Time Clock Serial Clock/Calendar 8-Pin PDIP N

<b>Manufacturer:</b>	<a href="#">Maxim Integrated</a>
<b>Package/Case:</b>	DIP8
<b>Product Type:</b>	Clock & Timer ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

### General Description

The DS1337 serial real-time clock is a low-power clock/calendar with two programmable time-of-day alarms and a programmable square-wave output. Address and data are transferred serially through an I2C bus. The clock/calendar 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 AM/PM indicator. The device is fully accessible through the serial interface while VCC is between 1.8V and 5.5V. I2C operation is not guaranteed below 1.8V. Timekeeping operation is maintained with VCC as low as 1.3V.

### Key Features

Completely manages all timekeeping functions - Two time-of-day alarms and oscillator stop flag  
 Interfaces with most microcontrollers - I<sup>2</sup>C serial interface

### Application

- Consumer Electronics (Set-Top Box, VCR/Digital Recording)
- Handhelds (GPS, POS Terminal, MP3 Player)
- Medical (Glucometer, Medicine Dispenser)
- Office Equipment (Fax/Printer, Copier)
- Other (Utility Meter, Vending Machine, Thermostat, Modem)
- Telecommunications (Router, Switcher, Server)

### Recommended For You

#### DS1023-500

Maxim Integrated

SOP16

#### DS1243Y-120+

Maxim Integrated

DIP

#### DS1374U-33+

Maxim Integrated

MSOP10

**DS1023S-50+**

Maxim Integrated

SOIC16

**DS12887+**

Maxim Integrated

DIP

**DS1308U-33+T**

Maxim Integrated

MSOP8

**DS1337S+**

Maxim Integrated

SOP8

**DS1023S-50**

Maxim Integrated

SOP16

**DS1746-70+**

Maxim Integrated

DIP

**DS1338C-33#**

Maxim Integrated

SOP16

**DS1558Y+**

Maxim Integrated

48-LQFP

**DS1000-25**

Maxim Integrated

DIP-14

**DS1375T+T&R**

Maxim Integrated

TDFN-6

**DS1306E+T&R**

Maxim Integrated

TSSOP

**DS1000K-100**

Maxim Integrated

DIP