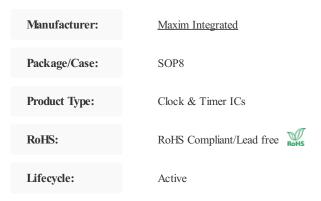
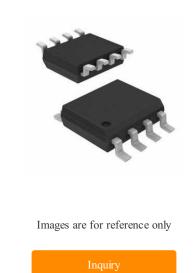


## Real Time Clock Serial 56byte Clock/Calendar 8-Pin SOIC N





## **General Description**

The DS1307 serial real-time clock (RTC) is a low-power, full binary-coded decimal (BCD) clock/calendar plus 56 bytes of NV SRAM. Address and data are transferred serially through an I2C, bidirectional bus. The clock/calendar provides seconds, minutes, hours, day, date, month, and year information. The end of the month date 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 DS1307 has a built-in power-sense circuit that detects power failures and automatically switches to the backup supply. Timekeeping operation continues while the part operates from the backup supply.

#### **Key Features**

Completely Manages All Timekeeping Functions

Programmable Square-Wave Output Signal

2

C Serial Interface

Optional Industrial Temperature Range: -40°C to +85°C Supports Operation in a Wide Range of Applications

## **Recommended For You**

DS1023-500	DS1243Y-120+	DS1374U-33+
Maxim Integrated	Maxim Integrated	Maxim Integrated
SOP16	DIP	MSOP10

#### DS1023S-50+

Maxim Integrated

SOIC16

## DS1337S+

Maxim Integrated SOP8

## DS1338C-33#

Maxim Integrated SOP16

## DS1375T+T&R

Maxim Integrated

TDFN-6

#### **DS12887**+

Maxim Integrated

# DS1023S-50 Maxim Integrated SOP16

DS1558Y+ Maxim Integrated

48-LQFP

# DS1306E+T&R

Maxim Integrated

#### DS1308U-33+T

Maxim Integrated MSOP8

## DS1746-70+

Maxim Integrated

# DS1000-25

Maxim Integrated DIP-14

## DS1000K-100

Maxim Integrated