

## Real Time Clock Serial Clock/Calendar/Alarm/Trickle Charger 16-Pin SOIC W Tube



Images are for reference only

[Inquiry](#)

<b>Manufacturer:</b>	<a href="#">Maxim Integrated</a>
<b>Package/Case:</b>	SOP16
<b>Product Type:</b>	Clock & Timer ICs
<b>Lifecycle:</b>	Active

### General Description

The DS1339 serial real-time clock (RTC) is a low-power clock/date device 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/date 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 DS1339 has a built-in power-sense circuit that detects power failures and automatically switches to the backup supply, maintaining time, date, and alarm operation.

### Key Features

- Completely Manages All Timekeeping Functions
- 2 C Serial Interface
- Automatic Power-Fail Detect and Switch Circuitry

### Application

- Consumer Electronics (Set-Top Box, Digital Recording, Network Appliance)
- Handhelds (GPS, POS Terminal)
- 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