



PRODUCT NAME : DS1307 Real Time Clock IC

PRICE : Rs 25.00

SKU : RM0470



DESCRIPTION

The DS1307 **serial RTC** is a low-power, full binary-coded decimal clock/calendar. 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.

Features of DS1307 Real Time Clock IC:

- Completely Manages All Timekeeping Functions.
- Real-Time Clock Counts Seconds, Minutes, Hours, Date of the Month, Month, Day of the Week, and Year with Leap-Year Compensation Valid Up to 2100.
- 56-Byte, Battery-Backed, General-Purpose RAM with Unlimited Writes.
- Programmable Square-Wave Output Signal.
- Simple Serial Port Interfaces to Most Microcontrollers.
- I2C Serial Interface.
- Low Power Operation Extends Battery Backup Run Time.
- Consumes Less than 500nA in Battery-Backup Mode with Oscillator Running.
- Automatic Power-Fail Detect and Switch Circuitry.
- 8-Pin DIP and 8-Pin SO Minimizes Required Space.
- Optional Industrial Temperature Range: -40°C to +85°C Supports Operation in a Wide Range of Applications.

Applications of DS1307 Real Time Clock IC:

- Auto clock.
- DIY projects.
- Arduino projects.
- Raspberry-Pi projects.
- Electrical/Electronic projects.

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