



Real Time Clock module MC08 is an extension module for Nvis Microcontroller development platforms. It helps the user to gain invaluable practical experience of the principles and application of real time clock, LCD, switch and buzzer module in microcontroller based projects.

Real Time Clock module MC08 is generally used in the applications such as real time clock, alarm clock, Industrial automation, display related application and many more.

Features

- ▶ 16 x 2 characters LCD display interface
- ▶ DS1307 – RTC interface
- ▶ Switch interface
- ▶ Buzzer and LED interface
- ▶ PC based programming
- ▶ Expansion connectors for plug in with Microcontroller unit and prototyping area
- ▶ Every pin is marked in order to make the study easier
- ▶ Exhaustive Learning Material
- ▶ 2 Year Warranty

Note :

1. This module is compatible with Nvis NV5001 and NV5002 only.
2. To run MC08 experiments with NV5002, interface adaptor PCB is required.

Scope of Learning

- ▶ Study of RTC interface
- ▶ Study of I²C protocol
- ▶ Study of LCD, Buzzer and LED interface

Technical Specifications

Display	: 16 x 2 LCD display
RTC	: DS1307
RTC Interface type	: I ² C
Buzzer	: +5 V DC
LED	: +5 V DC
Switch	: 4 nos.
Battery	: 3V DC CMOS
Power supply	: From Microcontroller development platform NV5001/ NV5002
Interface	: 20 pin FRC cable
Dimensions (mm)	: W 255 x D 155 x H 80
Weight	: 380 gms (approx.)
Learning Material	: CD (Theory, procedure, reference results, etc), Online (optional)

Included Accessories :

Learning material CD	: 1 no.
Battery	: 3V DC CMOS