



Nvis Technologies Display and Switches module MC10 is an extension module for Nvis Microcontroller development platforms. The object is to have a clear understanding of how input peripherals are interfaced and controlled with Microcontroller. The object is to connect and program a Microcontroller to display data and for monitoring.

Display and Switches module MC10 has input and output terminals for connection of external real world applications

Features

- ▶ **4 x 4 matrix keypad interface**
- ▶ **Eight input sensing switch interface**
- ▶ **16 x 2 characters LCD interface**
- ▶ **Seven segment display interface**
- ▶ **Relay & Buzzer 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**
- ▶ **Online Product Tutorial**
- ▶ **1 Year Warranty**

Note : This module is compatible with Scientech 620X Series and Nvis 5001A/2/3/4A/5 Series Microcontroller development platform.

An ISO 9001: 2008 company

Designed & Manufactured in India by :

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Scope of Learning

- ▶ Study of Keypad interfacing
- ▶ Study of LCD interfacing
- ▶ Study of Relay interfacing
- ▶ Study of Switch, Buzzer and seven segments interfacing

Technical Specifications

Switches	:	DIP Switch (8-Switches)
Display	:	16 x 2 LCD
Seven segment display	:	4 nos.
Keypad	:	4 x 4 matrix keypad
Buzzer	:	+5 V DC
Relay	:	+5 V DC
Power supply	:	From Scientech 620X Series and Nvis 500X Series Microcontroller development platform
Interface	:	20 pin FRC cable
Dimensions (mm)	:	W 255 x D 155 x H 80
Weight	:	280 gms (approx.)
Product Tutorial	:	Online on www.Nvistech.com

