Input Interface module

Input Interface module MC01 is an extension module for Nvis Microcontroller development platforms. The module has been designed for students and practicing engineers to gain invaluable practical experience on the principle and applications of microcontroller. The object is to have a clear understanding of how input peripherals are interfaced and controlled with microcontroller.

Input Interface module, MC01 has input and output terminals for connection to external real world applications. Matrix keypad controlling is shown with the help of LEDs.

Features

▸ **4 x 4 matrix keypad interface**

▸ **ASCII keyboard interface**

▸ **Four input sensing switch interface**

▸ **PC based programming**

▸ **Expansion connectors for plug in with Microcontroller unit and prototyping area**

▸ **Every pin is marked in order to make the work easier**

▸ **Input/Output & test points provided on board**

▸ **Exhaustive Learning Material**

▸ **2 Year Warranty**

Note :

1. This module is compatible with Nvis NV5001 and NV5002 only.

2. To run MC01 experiments, MC04 module is required.

Scope of Learning

▸ Study of the implementation, analysis and interfacing of ASCII keyboard

▸ Study and analyze the interfacing of switches

▸ Study of implementation, analysis and interfacing of 4 x 4 matrix keypad

Technical Specifications

Keyboard	:	ASCII keyboard
LED'S	:	12 nos.
Switches	:	4 nos.
Keypad	:	4 x 4 matrix hex keypad
Power Supply	:	From Microcontroller development platform NV5001/5002
Learning Material	:	CD (Theory, procedure, reference results, etc), Online (optional)
Interface	:	20 pin FRC cable
Test points	:	2 nos (Gold plated)
Dimensions (mm)	:	W 250 x D 150 x H 80
Weight	:	280 gms (approx.)
Included Accessories :		
Learning material CD	:	1 no.
PS2 PC keyboard	:	1 no.

V1-0612

Subject to Change,

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