



TTL I/O Interface module MC07



TTL I/O Interface module MC07 enables the students and practicing engineers to gain invaluable practical experience of the principles and applications of a Microcontroller.

The aim is to program an external controller for performing experiments like combination controller (AND, OR, XOR and NOT operations), sequential controller, programmable counter, multiplexers etc.

MC07 provides 12 buffered TTL outputs and TTL inputs each. Logic state is indicated by LEDs. The 12 inputs are connected to DIP Switches and the 12 outputs are connected to LEDs.

Features

- 12 Input interface
- 12 Output interface
- PC based programming
- Expansion connectors for plug in with Microcontroller
- Every pin is marked in order to make study easier
- Input/Output & test points provided on board

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

Scope of learning

- Study of interfacing of TTL I/P and O/P
- Study of Boolean logic gates
- Study of interfacing of Switches and LED's.

Technical Specifications

Input pin voltage : TTL in

Output pin voltage : TTL out

LEDs : 12 nos.

Switches : 12 nos.

Power Supply : From Scientech 620X Series and Nvis 500X Series Microcontroller development platform

Interface : 20 pin FRC cable

Dimensions (mm) : W 250 x D 150 x H 80

Weight : 311 gms (approx.)