

**MICROPROCESSOR AND PC LAB
EXPERIMENTAL INTERFACE MODULE 8253
PROGRAMMABLE INTERVAL
TIMER MODULE
OMEGA TYPE IF-6**



OMEGA TYPE IF-6, 8253 programmable interval timer module which can be easily interfaced with 8085 Microprocessor Trainer with the help of a flat cable connected 50 pin FRC connectors both sides. These can be also interfaced with IBM PC, XT, AT with the help of a 96 BIT TTL I/O experimental Interface Omega Type-IFB-1. Practical experience on this board carries great educative value for Science and Engineering Students.

OBJECTS

- 01 To program counter.
- 02 Count binary or BCD.

FEATURES

The board consists of the following built in parts :

- 01 5V at 100mA IC Regulated Power Supply.
- 02 One no. Programmable Interval Timer IC-8253.
- 03 One no. 1 of 8 Decoder IC-74138.
- 04 One no. 2-input NAND GATE IC-7400.
- 05 One no. Hex Inverter IC-7406.
- 06 One Pulser switch to give GATE pulse.
- 07 One Pulser switch to give CLOCK pulse.
- 08 Three Timers each having OUTPUT, GATE and CLOCK.
- 09 One no. 50 pins FRC connector.
- 10 Easy to interface with OMEGA TYPE OEJ-85A / OEJ-86 / IBM PC.
- 11 Adequate no. of other electronic components.
- 12 Mains ON/OFF switch and LED for indication.
- 13 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
- 14 Good quality, reliable terminals/Sockets are provided at appropriate places on panel for connections/observations.

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

OMEGA ELECTRONICS

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