

MC-ICE85**8085 Microprocessor Trainer****MC-86****8086 Microprocessor Trainer****SPECIFICATIONS**

- High performance 8085 CPU @ 3MHz.
- 8085 CPU with in circuit emulator for 8085
- Emulation memory 48KB from 0000 to BFFF location.
- All interrupts are free for the user.
- Onboard chips 8251, 8253, 8255 (2 nos.), 8259, 8279, Machine cycle Single Step, Logic Probe, Opto coupler, RS 232 Serial Interface & Centronics Interface, EPROM Programmer.
- 16KB Scratch PAD RAM, 32 KB Battery Backup RAM,
- 28 keys ASCII Keyboard & 6 digits 7 Segment Display.
- 8085 Cross Assembler, Sample Programs and IBM PC up-down loading software.
- Separate software on PC to assemble, Dis-assemble, Set break point, about single step, The screen would be able to show/modify dis-assembly, All registers, scratch pad RAM.
- Separate study card compatible to 8085 trainer with LED's for indicating signals like READ, WRITE, CHIP SELECT, DATA LINE, etc, for peripheral IC's -8251, 8253, 8255, 8257, 8259, 6116 with one converter card consisting of 50 pin FRC cable.

Interfacing Card -

- ADC Study Card.
- AD-DA Combined Study card.
- Instrumentation Op-Amp study card.
- Dual Stepper motor interface card with one stepper motor and necessary power supply.
- Key board scanner study card with 3x4 Matrix.
- Logic control study card using 8255.
- Small DC motor on/off study card.
- Traffic light control study card.
- IC Tester interfacing study card.
- In-built power supply for the above trainer.
- Manual (with experiments) and schematic all of above.

SPECIFICATIONS

- 8086 CPU operating at 8MHz in maximum mode.
- Memory 64KB +64KB Scratch Pad RAM, 128KB +128KB Battery Backup RAM, 64KB+64KB EPROM MONITOR
- On board 8251, 8253, 8255 (2nos.), 8259, 8279 Socket for 8087 NDP with 8087 & 8089.
- On board IBM PC/AT keyboard with necessary Socket for Connecting Keyboard & 101 Keyboard.
- 16 character x 4lines LCD display.
- RS-232 Serial Interface
- Centronics Printer Interface
- On board Speaker
- 8 & 16 BIT EPROM Emulation up to 64 KB with Cable.
- One 8088 CPU Module Provided to convert 8086 kit into 8088 kit.
- 8086 MASM, Sample Programs for 8086 - 8088 and IBM PC up-down loading software provided on CD with Serial Link.

Interfacing Card -

- EPROM Programmig up to 27256 EPROM with Master Socket.
- ADC Study Card
- AD-DA Combined study card.
- Instrumentation Op-Amp study card.
- Dual Stepper motor interface card with one stepper motor and necessary power supply.
- Key board scanner study card with 3x4 Matrix.
- Logic control study card using 8255.
- Small DC motor on/off study card.
- Traffic light interfacing study card.
- IC Tester interfacing study card.
- Power Supply (SMPS) with built-in Spike suppressor
- **Accessories : User's Manual** with Experimental book and connecting patch cord.