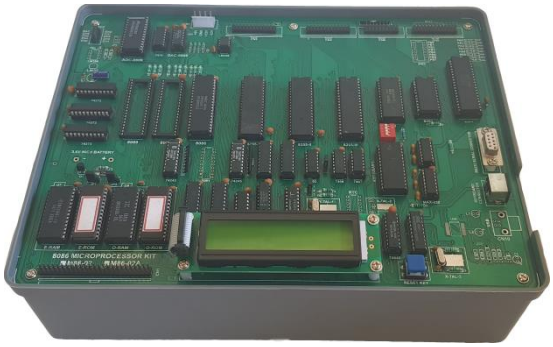
M86-02 | **8086 MICROPROCESSOR TRAINER KIT** | **Make : KITEK**



M86-02 is a single board Microprocessor Trainer Kit based on 16 bit 8086 Microprocessor, which is widely used to train engineers to develop software / hardware for any industrial process & control. This Kit Consists of Power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, 20x2 LCD Display and Keyboard for Man to Machine Interface

TECHNICAL SPECIFICATION

- Based on 8085 CPU operating at 6.144 MHz
- 8086/8088 CPU operating at 2.5/5MHz
- 8086 Processor can be replaced by 8088 Processor
- On-board sockets provided to facilitate the use of 8087 Co-processor and 8089 I/O Processor
- 16K bytes of RAM using two nos. of 6264 with Battery Backup expandable up to 256KB.
- 16K bytes of powerful monitor EPROM using two nos. of 27512
- 72 I/O lines through 3 nos. of 8255 brought at 26 Pins FRC Connector to interface with IC-XX Series.
- 16 bit Timer/Counter through 8253 brought out at 20 Pins FRC Connector.
- RS-232C interface using 8251 brought out at 9 Pins D-Type Connector.
- On-board Interrupt controller using 8259 brought out at 20 Pins FRC Connector.
- 20x2/40x2/20x4 Alphanumeric LCD Display with Backlite
- 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz
- Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move can be used through ASCII Keyboard.
- On-board Single Line Assembler & Disassembler.
- Facility for Downloading/Uploading files from/to PC.
- All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/2A, ±12V/250mA
- Attractive ABS Plastic enclosures.
- User's e-manual with sample programs.

- ***Optional Onboard Interface (M86-02AD)***
  - ~ On-board using ADC 0809 & DAC 0800.
  - ~ On-board Real Time Clock using RTC-6424.
  - ~ On-board Temperature sensor using LM35.
  - ~ 8 Bit Digital Switch for 8 Digital Input and 8 LED for 8 Digital Output.

- ***Optional Accessories***
  - ~ RAM Battery Backup using NICD Battery
  - ~ RS-232 Serial Cable
  - ~ 26 Pin FRC Interfacing Cable
  - ~ 50 Pin FRC Interfacing Cable
  - ~ USB to RS-232 Serial Converter

- ***Supported Interfacing Module:***
  - ~ IC-01 8 Channel A/D Using ADC0809 Card
  - ~ IC-02 Dual Ch. D/A Using DAC0800 Card
  - ~ IC-03 1 Channel 12 bit ADC Using AD574 Card
  - ~ IC-04 Logic Controller Interface
  - ~ IC-05 Elevator Simulator Interface
  - ~ IC-06 IC Tester Interface
  - ~ IC-07 Four Digit Seven Segment Display
  - ~ IC-08 Stepper Motor Driver Card & Motor
  - ~ IC-09 5x4 Key's Matrix Keyboard Interfacing Module
  - ~ IC-10 16x1 LCD Interface
  - ~ IC-11 16x2 LCD Interface
  - ~ IC-12 Traffic Light Interface
  - ~ IC-13 Temperature Measurement Interface
  - ~ IC-14 DC Motor Interface With Motor
  - ~ IC-15 Relay & Opto Interface
  - ~ IC-16 8 X 8 Led Matrix Display Interface
  - ~ IC-27 Level Simulator Module for Four Levels
  - ~ IC-30 Music Synthesizer Module
  - ~ IC-32 LED Bar Graph Interfacing Module
  - ~ IC-40 DC Motor Controller & Speed Measurement Module

- ***Supported Study Card Module:***
  - ~ SC-01 8255 PPI Study Card
  - ~ SC-02 8253 Programmable Timer Study Card
  - ~ SC-03 8155 PPI With Timer Card
  - ~ SC-04 8251 USART Study Card
  - ~ SC-05 8257 DMA Study Card
  - ~ SC-06 8259 PIC Study Card
  - ~ SC-07 8279 Keyboard & Display Controller Card
  - ~ SC-10 6264/6116 RAM Study Card
  - ~ SC-11 8279 Programmable Keyboard Display Controller Study Card