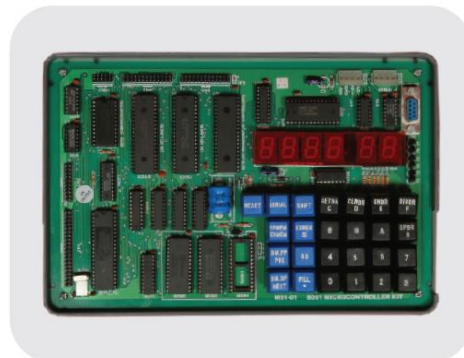


M51-01

8051 MICROCONTROLLER TRAINER KIT

Make : KITEK

M51-01 is a single board Microcontroller Trainer Kit based on 8 bit 8051 Microcontroller, which is widely used to trainer engineers to develop on software/hardware for any industrial process & control. Kit has power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, Seven Segment Display, Keyboard for Man to Machine Interface.



TECHNICAL SPECIFICATION

- 8051/89C51 CPU operating @10/12MHz.
- 8K user RAM using 6264 with Battery Backup using NICD Battery.
- One socket is provided for RAM expansion up to 64K.
- 16K bytes of powerful monitor EPROM using 27512.
- 48 I/O lines using 2 Nos. of 8255 brought at 26 Pins FRC Connector to interface with IC-XX Series.
- Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
- 25 Keys Hexadecimal Keyboard and Six Digit Seven segment display using 8279 KBD Controller
- Two External interrupts INT0 & INT1 are available at 40 pin FRC connector.
- USB / RS-232C using RX/TX of 8051 brought out at 9 Pins D-Type Connector.
- Two modes of operation:
 - ~ Keyboard Mode.
 - ~ Serial Mode.
- Powerful Commands like Examine/ Edit Memory, Examine/Edit Register, Single stepping, Execution, Break Point can be used through hex keyboard or PC serial mode.
- Facility for Downloading/Uploading files from/to PC Using Hyper Terminal Windows Based Software.
- All Address, Data, Control & Port lines are available on 40 Pins & 26 Pins FRC Connector.
- All IC's are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/1.5A, $\pm 12V/250mA$
- Attractive ABS Plastic enclosures.
- User's e-manual with sample programs.
- **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

