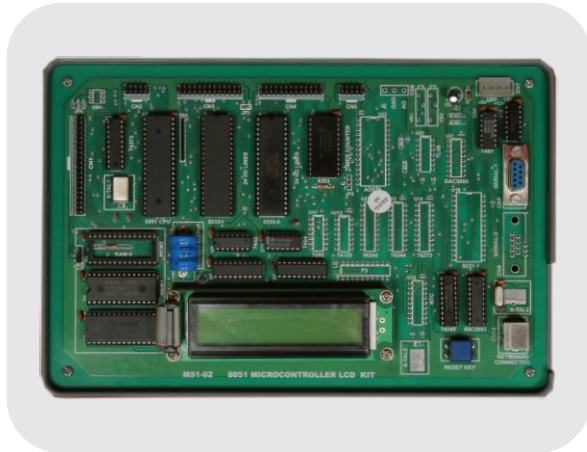


M51-02**8051 Microcontroller Trainer Kit**

M51-02 is a single board Microcontroller Trainer Kit based on 8 bit 8051 Microcontroller, which is widely used to train engineers to develop on software/hardware for any industrial process & control. Kit has power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, LCD Display, Keyboard for Man to Machine Interface.

Features

- ✓ 16K Bytes of EPROM with 32K bytes of Battery Backup RAM.
- ✓ 48 I/O Lines, Three Channel Timer/Counter, PC Serial Interface using USART, 12 bit ADC, DAC, RTC.
- ✓ 20x2 LCD Display with 101 ASCII Keyboard.
- ✓ Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.
- ✓ Uploading & Downloading to and from PC in Windows98/XP/NT.
- ✓ In-Built Power Supply.

Specifications

- 8051/89C52/89C51RD2/89C61X2 CPU operating @11.0592MHz.
- 32K 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.
- 20x2/40x2/20x4 Alphanumeric LCD Display with Backlite
- 101 ASCII Keyboard interface using 89c2051 operating @ 12MHz
- On-board Single Line Assembler & Disassembler.
- Two External interrupts INT0 & INT1 are available at 40 pin FRC connector.
- RS-232C using RX/TX of 8051.
- 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 ASCII keyboard or PC serial mode.
- Facility for Downloading/Uploading files from/to PC.
- All Address, Data, Control & Port lines are available on 40 Pins & 20 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, ±12V/250mA
- Attractive ABS Plastic enclosures.
- User's Manual with sample programs.

Optional

- ☞ On-board ISP (In-system Programming) Facility.
- ☞ PRINTER INTERFACE to interface with DOT MATRIX Printer.
- ☞ RS-232C interface using 8251.
- ☞ On-board 12 Bit ADC using Ad574.
- ☞ On-board 8 bit DAC using DAC-0800.
- ☞ On-board Real Time Clock using 6242.

Note : Specifications can be altered without notice in our constant efforts for improvement.