

# 8051 MICRO CONTROLLER TRAINER KIT

BS-MC-51 is a single board Microcontroller Trainer Kit based on 8 bit 8051/52 Microcontroller. This trainer kit is capable in Programmable, which is widely used to train engineers to develop on software/hardware for any industrial process & control. Kit has power-full Monitor EPROM, RAM with CMOS battery, 8255 Peripheral Interface, Digital I/O Switch & LED, Timer/Counter, USB, 16 x 2 Lcd Internal (C Language) / External mode (Assembly Language) Display, External Keyboard Interface.

## Features

- PC USB Interface
- 16 x 2 Lcd Display With External Keyboard Interface.
- 32K Bytes of EPROM with 32K bytes of Battery Backup RAM. In-Built Power Supply.

## Special Features

- This trainer kit is capable in Internal (C Language) / External mode(Assembly Language)
- Add-on card Interface

## Specifications

- 8051/89C51/52 CPU operating @10/12MHz.
- 32K Bytes user RAM using 61256 with Battery Backup using CMOS Battery.
- 32K bytes of powerful monitor EPROM using 27C256.
- 48 I/O lines using 2 Nos. of 8255 brought at 26 Pins FRC Connector to interface with IC-XX Series.
- 50-Pin FRC Connector for interfacing external Add-on cards
- USB PC Keyboard is provided and also RESET, INTERRUPT Keys are Provided
- 8051/89C51/52 pines are available at 40 pin FRC connector.
- RS-232 interface using FT232 brought out at USB Connector.
- Two modes of operation,
  - Internal Mode
  - External Mode
- Powerful Commands like Edit Memory, Edit Register, Execution, BreakPoint can be used through hex keyboard or PC serial mode.
- Facility for Downloading and Execute files from to PC.
- All Address, Data, Control & Port lines are available on 40 Pins FRC Connector
- On board 8-digital inputs can be given through 8-way dip switch
- On board 8-digital inputs can be visible through smd leds
- The port lines p1 used as input (switch) or output led (Selectable)
- Built in Power Supply of +5V/1.5A, ±12V/500mA
- Attractive wooden Cabinet enclosures.
- Software CD (Manual, sample programs & Softwares)
- 23cm x 19cm x 10cm (L x W x H).
- Weight 1 Kg (approx).

