



8051 MICRO CONTROLLER TRAINING KIT



MODEL : ET-8051/31

SPECIFICATIONS:

- Based on 8051/8031 Microcontroller operation @12/10MHz.
- On Board 8 K/32 K RAM.
- 16 K/32 K bytes of EPROM with powerful monitor program.
- Total memory expandable up to 128 K Bytes.
- 48 Programmable I/O lines through 8255.
- Two External Interrupt INT0 & INT1.
- 28 keys hexadecimal keyboard and six seven segment displays.
- RS232 Interface for Uploading / Downloading
- Three 16 Bit Timers / Counters.
- **8 output LEDs available for interfacing.**
- **8 TTL inputs available through DIP-Switch.**
- **Battery Back Up for RAM.**
- All data, address and control signals (TTL compatible) available at FRC connector.
- Powerful software commands like Insert, Delete, Block Move, Set/Clear Break Point, Single Step, Examine, Modify, and Program/Data/Internal Memory etc.
- **Up Loading/Down Loading facility from PC in Intel Hex format.**
- **Built in Power Supply.**

MODEL : ET-8051/31AD

(ADVANCE 8051/31 MICROCONTROLLER TRAINING KIT)

SPECIFICATION:

- Based on 8051/8031 Microcontroller operation @12/10MHz.
- On Board 8K RAM.
- 16 K/32 K bytes of EPROM with powerful monitor program.
- Total memory expandable up to 128 K Bytes.
- 48 Programmable I/O lines through 8255.
- Two External Interrupt INT0 & INT1.
- 28 keys hexadecimal keyboard and six seven segment displays.
- RS232 Interface for Uploading / Downloading
- Three 16 Bit Timer / Counters.
- **8 output LEDs available for interfacing.**
- **8 TTL input available through DIP-Switch.**
- **On Board A/D Converter using ADC0809.**
- **On Board D/A Converter using DAC0800.**
- **On Board Opto Isolated Input.**
- **On Board Relay contacts.**
- **Battery Back Up for RAM.**
- **On Board(optional) Programmer for 8751.**
- All data, address and control signals (TTL compatible) available at FRC connector.
- Powerful software commands like Insert, Delete, Block Move, Set/Clear Break Point, Single Step, Examine, Modify, and Program/Data/Internal Memory etc.
- **Up Loading/Down Loading facility from PC in Intel Hex format.**
- **Built in Power Supply.**

INTERFACING MODULES

Various types of interfacing modules from EXCEL can be hooked to these kit to perform simple experiments in the lab. These modules are very helpful in learning about real life interfacing problems of Microprocessor

Note : Specifications are subject to change due to our constant efforts for Improvement. Please refer to quotation for final specifications.