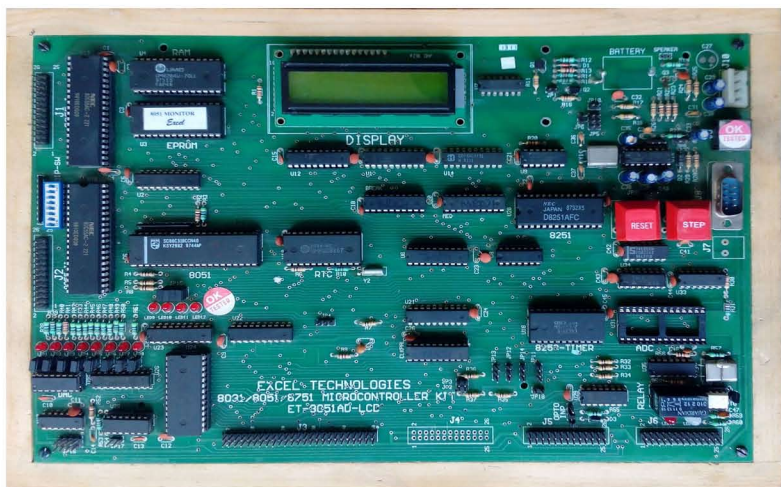




# 8051 MICROPROCESSOR TRAINING KIT



## MODEL : ET-8051/31LCD

### SPECIFICATIONS:

- 8031/51 Micro controller (8 bit), operating at 20 MHz crystal frequency.
- 32k Bytes of EPROM loaded with Monitor program
- 32K Bytes of RAM available to the user
- 16K /8K Bytes of Scratch pad Ram.
- Total on board memory expansion to 64K bytes using 27512/62256 with 3 sockets of 28 pin
- Memory mapping definable by the user.
- 48 Programmable I/O lines through 8255.
- Three 16 bit Timers/counters through 8253.
- **8251 for RS232C interface for CRT/PC.**
- On Board Interrupt Controller using 8259.
- **On Board Real Time Clock(optional).**
- **On Board Battery Back Up for RAM.**
- All address, data & control lines are available at 50 Pin FRC connector.
- 16 x 2 / 20\*2 / 20\*4/40\*2 LCD Display.
- **104 keys IBM PC/AT Compatible ASCII Keyboard.**
- **On Board Assembler / Disassembler.**
- Powerful software commands.
- **Down/Up loading of files from/to PC.**
- **Built in Power Supply**

## MODEL : ET-8051/31ADLCD

(ADVANCE 8051/31 MICROCONTROLLER TRAINING KIT)

### SPECIFICATION:

- 8031/51 Micro controller (8 bit), operating at 20 MHz crystal frequency.
- 32K EPROM loaded with Powerful Monitor Program
- 32K bytes of RAM available to the user.
- 16 K /8 K Bytes of Scratch pad Ram.
- Total On board memory expansion to 64K bytes using 27512/62256 with 3 sockets of 28 pin.
- Memory mapping definable by the user.
- 48 Programmable I/O lines through 8255.
- Three 16 Bit Timer/Counters through 8253.
- **8251 for RS232C interface for PCt**
- On Board Interrupt Controllert
- **On Board Real Time Clock(optional).**
- **On Board Battery Back Up for RAMt**
- 16x2 / 20x2 / 20x4/40x2 LCD Display.
- 104 keys IBM Compatible ASCII Keyboard.
- **On Board A/D Converter using ADC0809.**
- **On Board D/A Converter using DAC0800.**
- **On Board Opto Isolated Input.**
- **On Board Relay contacts.**
- **8 output LEDs available for interfacing.**
- **8 TTL inputs available through DIP-Switch.**
- **Additional 4 LEDs connected to PORT 1 of 8051/31.**
- **On Board Assembler / Dissembler.**
- Powerful software commands.
- **Down/Up loading of files from/to PC.**
- **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.