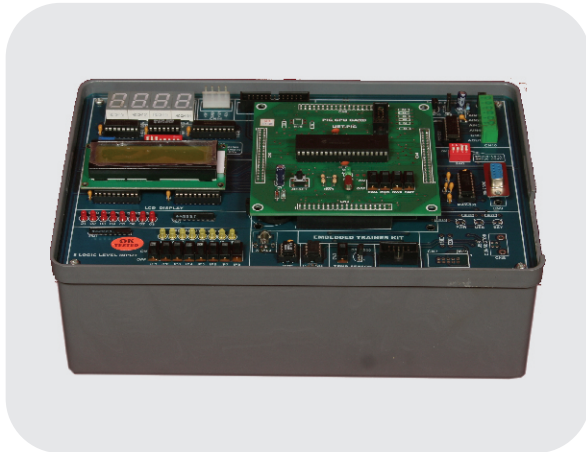


## E87-03 PIC EMBEDDED TRAINER KIT



**E87-03** is a single board Universal Embedded Kit based on PIC (Microchip 16F877A / 18F452) Microcontroller for any Embedded applications.

### Feature

- ◇ CPU: Microchip 16F877A / 18F452 Microcontroller
- ◇ ISP Programming facility

### Onboard Application

- ◇ 8 LEDs to display Digital Output
- ◇ 8 Switches to give Digital Input each indicated by LED
- ◇ 16\*2 Alphanumeric LCD
- ◇ 4 digit Seven segment displays
- ◇ I<sup>2</sup>C compatible
  - 24C512 EEPROM (64KB)
  - DS1307 RTC with suitable battery
  - 4 Ch. 8bit ADC & 8 bit DAC using PCF8591
- ◇ Temperature sensor interface Lm35
- ◇ Temperature sensor interface DS18B20
- ◇ 24 I/O Lines Provided on a 26 pin FRC Connector for external interface
- ◇ On board supply +/- 12V, 5V is provided
- ◇ Supply Input Voltage: 230V AC
- ◇ User's Manual with sample programs for all on board features

## E87-04 AVR EMBEDDED TRAINER KIT



**E87-04** is a single board Universal Embedded Kit based on AVR (ATMEL Atmega32) Microcontroller for any Embedded applications.

### Feature

- ◇ CPU: ATMEL Atmega32 Microcontroller
- ◇ ISP Programming facility

### Onboard Application

- ◇ 8 LEDs to display Digital Output
- ◇ 8 Switches to give Digital Input each indicated by LED
- ◇ 16\*2 Alphanumeric LCD
- ◇ 4 digit Seven segment displays
- ◇ I<sup>2</sup>C compatible
  - 24C512 EEPROM (64KB)
  - DS1307 RTC with suitable battery
  - 4 Ch. 8bit ADC & 8 bit DAC using PCF8591
- ◇ Temperature sensor interface Lm35
- ◇ Temperature sensor interface DS18B20
- ◇ 24 I/O Lines Provided on a 26 pin FRC Connector for external interface
- ◇ On board supply +/- 12V, 5V is provided
- ◇ Supply Input Voltage: 230V AC
- ◇ User's Manual with sample programs for all on board features

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