SIGMA

8051 MICRO CONTROLLER TRAINER
MODEL - MP8051G

This kit has been designed with a view to provide practical and experimental Knowledge of general circuit of 8051 Micro controller circuits on single P.C.B.
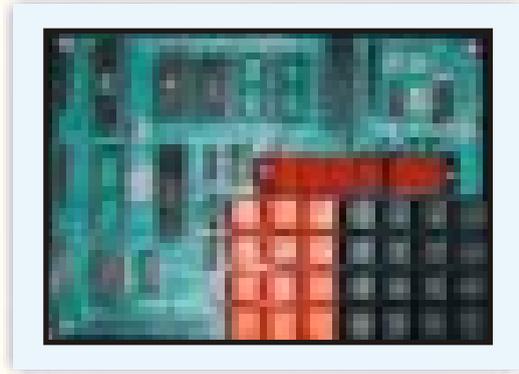
SPECIFICATIONS

1   Introduction to assembler directives.

2   Assembly language programming for addition, subtraction, multiplication and division of two 8-bit numbers.

3   Assembly language programming for block data transfer between internal and external memory including overlapping blocks.

4   Assembly language programming for Timers in different modes.

5   Introduction to µVISION3 IDE , program development and debugging (simulation) process.

6   I/O port programming in embedded C.

7   Timers and Counters programming in embedded C for time delay and frequency measurement using ISRs.

8   Digital clock programming using 7-segment display in embedded C.

9   Programming of LCD in embedded C.

10   Programming of keyboard in embedded C.

11   Serial communication and UART programming in Embedded C.

12   Programming of parallel ADC and DAC in embedded C.

13   SPI programming in embedded

In keeping view of SIGMA policy of continuous development and improvement, the Specifications may be changed without prior notice or obligation.