43201 is a single board MicroprocessorTrainer Kit based on 8085 Microprocessor, which is widely used to train engineers to develop software/hardware for any industrial process & control. This Kit consists of power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, 16x1 LCD Display and Keyboard for Man to Machine Interface.

Features
- 8K Bytes of EPROM with 8K bytes of Battery Backup RAM.
- 24 I/O Lines, Three Channel Timer/Counter, PC Serial Interface.
- 16x1 LCD Display with 101 ASCII Keyboard.
- Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.
- Uploading & Downloading to and from PC in Windows98/XP/NT.
- In-Built Power Supply.

Specifications
- Based on 8085 CPU operating at 6.144 Mhz.
- 8K bytes of Powerful Monitor Program using 27512 EPROM
- 8K bytes of RAM using 6264 with Battery Backup using NICD Battery.
- On-board one memory expansion up to 56KB.
- Three Channel Timer/Counter using 8253 brought out at 10 Pins FRC Connector.
- 24 I/O lines provided through 8255 brought out at 26 Pins FRC Connector to interface with IC-XX Series.

- RS-232C interface through SID/SOD lines
- Two mode of commands:
- - ASCII Key pad Mode
- - Serial Mode
- 16x1 Alphanumeric LCD Display with Backlite.
- 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz.
- Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through ASCII keyboard or PC serial mode.
- On board Single Line Assembler / Disassembler
- Facility for Downloading/Uploading files from/to PC.
- All address, data & control lines are available on KXT Bus 50 pin FRC Connector to interface with SC-XX Series.
- All ICS are mounted on IC Sockets.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built Power Supply of +5V/1.5A, ±12V/250mA
- Attractive Wooden enclosures of Light
- weight Australian Pine Wood.
- User's Manual with sample programs

Optional
- PRINTER INTERFACE to interface with DOT MATRIX Printer

Note: Specifications are subject to change.