Order Code - 43203 is a single board Microprocessor Trainer 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, Seven Segment Display and Keyboard for Man to Machine Interface.

Features

* 8K Bytes of EPROM with 8K bytes of Battery Backup RAM.
* 46 I/O Lines, Three Channel Timer/Counter, PC Serial Interface.
* Seven Segment Display with 28 Keys Hex Keypad.
* 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 (Optional).
* 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.
* 22 I/O lines provided through 8155 brought out at 26 Pins FRC Connector .
* RS-232C interface through SID/SOD lines
* Two mode of commands:
  - Hex Key pad Mode
  - Serial Mode
* Six Digit Seven Segment Display using 8279.
* 28Key's Hex Keypad using 8279 Keyboard Display Controller.
* Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move, Insert Data, Delete Data can be used through Hex keyboard or PC serial mode.
* 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 Box packaging.
* User's Manual with sample programs.
*

Optional:

* PRINTER INTERFACE to interface with DOT MATRIX Printer
* RS-232 Cable

Note: Specifications are subject to change.