

43217 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.

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.
- 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:
 - Hex Key pad Mode, Serial Mode
- Six/Eight Digit Seven Segment Display using 8279.
- On-board 8 Channel Interrupt using 8259.
- On-board Auxillary Serial using 8251 USART brought out at 9 pin D-type connector.
- 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.
- 295mm x 210mm x 105mm (L x W x H).
- Weight 3 Kgs.



Features:

- 8K Bytes of EPROM with 8K bytes of Battery Backup RAM.
- 22/24 I/O Lines Using 8155/8255, 46 I/O Lines Using 8255/8155, 48 I/O Lines Using 8255, Three Channel Timer/Counter, PC Serial Interface, Interrupt Controller, USART, RTC.
- 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.

Optional

- EPROM Programmer Module for 2716,2732, 2764, 27128, 27256, 27512.
- On-Board Real Time Clock using RTC-6242.
- PRINTER INTERFACE to interface with DOT MATRIX Printer
- RS-232 Cable.

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

305, Taru Chhaya Nagar, Tonk Road, Jaipur-302029, India
Tel: +91-141-2724326, Mob: +91-9413330765
Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in