

43218 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, 16x1 LCD Display and Keyboard for Man to Machine Interface.



Features:

- 16K Bytes of EPROM with 8K bytes of Battery Backup RAM.
- 48 I/O Lines, Three Channel Timer/Counter, PC Serial Interface, ADC, DAC, Relay, Opto, Interrupt Controller, USART, EPROM Programmer.
- 20x2 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.
- 16K 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.
- 48 I/O lines provided through two nos. of 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
- 20x2/20x4/40x2 Alphanumeric LCD Display with Backlite.
- 101 ASCII Keyboard interface using 89C2051 operating @ 12MHz.
- On-board 8 Channel ADC using ADC0809.
- On-board 1 Channel DAC using DAC-0800.
- On-board SPDT Relay
- On-board OPTO Isolator.
- On-board 8 Ch. Interrupt Controller using 8259
- On-board AUX. Serial using 8251 USART brought at 9 pin D-Type Connector.
- On-board EPROM Programmer for 2716, 2732, 2764, 27128, 27256, 27512.
- On-board Dot-Matrix Printer Interface brought at 25 Pin D-Type Connector.
- 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.
- 315mm x 245mm x 105mm (L x W x H).
- Weight 3 Kgs.

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in