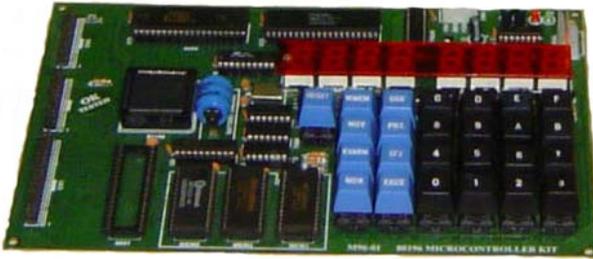


## M96-01 80196 Microcontroller Trainer Kit



**M96-01** is a single board Microcontroller Trainer Kit based on 16 bit 8096 Microcontroller family, which is widely used to train engineers to develop on software/hardware for any industrial process & control. Kit has power-full Monitor EPROM, RAM, I/O Lines, Timer/Counter, Serial, LCD Display, Keyboard for Man to Machine Interface.

### Features

1. 16K Bytes of EPROM with 16K bytes of Battery Backup RAM.
2. 24 I/O Lines, Three Channel Timer/Counter, PC Serial Interface
3. Seven Segment Display with 25 Keys Hex Keypad.
4. Power-full Command like Single Stepping, Break Point, Full Clock Execution, Examine Memory/ Register.
5. Uploading & Downloading to and from PC in Windows98/XP/NT.
6. In-Built Power Supply.

### Specifications

1. 80196KB/80196KC/8051 CPU operating at 12 MHz.
2. 16K bytes of RAM using two nos. of 6264 with Battery Backup using NICD Battery, Memory Expandable up to 64K.

1. 16K bytes of powerful monitor EPROM using 27512..
2. 24 I/O lines through 2 nos. of 8255 brought at 26 Pins FRC Connector to interface with IC-XX Series.
3. RS-232c interface using Rx/Tx of 80196.
4. Eight Digital Seven Segment Display with 25 Keys hex keyboard using 8279.
5. On-chip 8 Channel 10 bit ADC.
6. On-chip PWM.
7. On-chip High speed I/O.
8. On-chip Interrupt.
9. Two modes of operation:  
Keyboard Mode  
Serial Mode
10. Cross assembler software for 80196.
11. Powerful Commands like Examine/Edit Memory, Examine/Edit Register, Single stepping, Execution, Block Move can be used through hex keyboard or PC serial mode.
12. Facility for Downloading/Uploading files from/to PC.
13. All address, data & control lines are available on 40 pins and 20 pins FRC Connector.
14. All ICS are mounted on IC Sockets.
15. Bare board Tested Glass Epoxy SMOBC PCB is used.
16. In-Built Power Supply of +5V/2A, ±12V/250mA
17. Attractive Wooden enclosures of Light weight Australian Pine Wood.
18. User's Manual with sample programs.
19. 270mm x 185mm x 105mm (L x W x H).
20. Weight 3 Kgs.

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