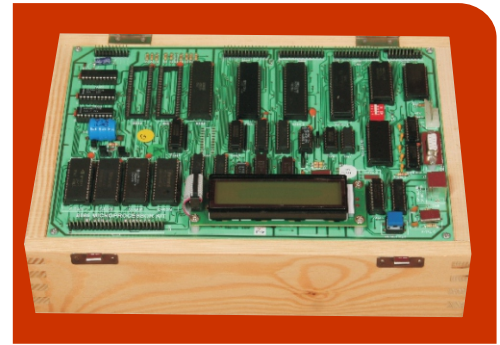


# 8086 Microprocessor Trainer Kits

## Technical Specification

- CPU operating at 8 MHZ in maximum mode.
- Socket provision for coprocessor.
- 8284 A clock generator.
- 8288A bus controller.
- Powerful monitor firmware in two 27256 EPROMs ( 64 KB ) organized as 16 bit words. Monitor EPROMs expandable to 128 KB using two 27512 EPROMs.
- 64 KB Static RAM in two 62256 RAMs organized as 16 bit words with battery back-up for data retention.
- 48 parallel I/O lines available through two 8255 chips.
- 3.6 V NI-Cad battery back-up circuit for static RAMs.z.
- Hex Keypad and seven segment display interface through 8279 Keyboard/Display controller.
- On-board 8254 timer/counter chip. Out of 3 channels of timer/counter two channels are totally available to the user through connector.
- 48 TTL I/O lines using two 8255 PPI chips and all signals terminated on two 26 pin FRC connectors.
- RS-232C compatible serial port using 8251 and all serial signals terminated on 9 pin D - type male connector.
- Software able baud rate through Hex keypad.
- On-board 8259PIC. Out of 8 inter-rupts, 3 are available on 50 pin FRC bus.
- Detachable Hex keypad and display PCB.
- All 8086 bus signals terminated on 50 and 20 pin FRC connectors.
- Two modes of operation :
  - Monitor mode : User interaction through 28 keys Hex Keypad and 8 digit seven segment display.
  - Serial mode : Serial mode through RS-232 serial port for use with a terminal.
- Attractive lightweight wooden enclosure.
- External Power Supply +5v 3Amp, +12v 1Amp, -12v 0.5Amp



All The Technology You need

ISO 9001:2008  
Certified Company



ADVANCE TECH INDIA PVT. LTD

Website: [www.atechindia.com](http://www.atechindia.com). E-mail: [atechindia@gmail.com](mailto:atechindia@gmail.com)