



Technical Specifications

- 8086 Microprocessor Kit
- Microprocessor based Training Kit with Graphical LCD Display and IBM/PC keyboard, On Board Assembler & Disassembler Based on Intel's 8086/8088 CPU @ 20 MHz
- Compatible with 8088 Microprocessor (8 bit)
- Provision to add 8087 Co-processor & 8089 I/O Processor
- 128KB of CMOS RAM using 62256
- 128 KB of EPROM loaded with monitor expandable further using 27010
- Battery Backup for RAM
- Total on Board memory expansion to 384 KB
- 48 programmable I/O lines through 8255
- Real time Clock interfaces (Optional)
- Three 16-bit Timer/Counter through 8253
- On board USB interface through 8251 for connecting kit to PC
- 8 different level of interrupt through 8259
- 1 Maskable interrupt; 8 Non-Maskable interrupts
- On board Graphical LCD 128*64 with 8 Line
- On Board USB Interface for PC Interfacing
- 104 Keys IBM Compatible Key Board (USB)
- On Board Assembler/Disassembler
- On Board Traffic Light Controller with 1 intersection having 4 RED LEDs, 4 Yellow LEDs and 8 Green LEDs
- On Board Stepper Motor Interface to drive 2 Stepper Motors
- Stepper Motor: No of Steps per Rotation: 48 (7.5 Deg/Step), Drive Method: 2-2 Phase, Drive Circuit: Bipolar Chopper, Magnetic Material: Polar anisotropy ferrite sintered magnet MS500, Enclosed in a metal box with Pointer and 360 Degree Dial

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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- On Board Digital Output SMD LED - 8 Nos
- On Board Digital input - 8 Nos
- Two modes of Commands: keyboard mode and serial mode
- All address data and control lines available at 50 PIN FRC connector as per multi Bus
- Facility for Down/Up loading files from/to PC
- With Built in Power Supply (5V, +12V, -12V & GND)
- Enclosed in an ABS Plastic Box with cover for protection against dust
- All the interfaces stated should be on a single Double sided PTH PCB for reliability
- Supplied with Detailed User Manual.



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