

MINI-MAX/51-D

8051-Compatible Microcontroller System

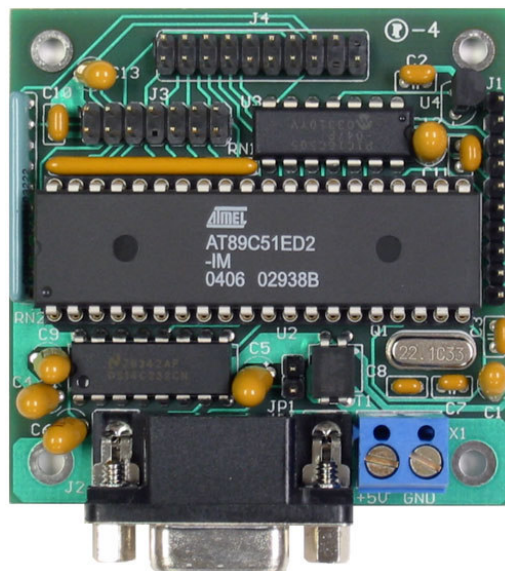
The 8051 micro-controller, first Introduced by Intel, is the most popular micro-controller in use today with applications ranging from industrial, medical, home automation to automotive.

MINI-MAX/51-D is a low-cost, powerful, yet easy-to-use microcomputer system based on the latest generation of flash-based 8051 micro-controllers from ATMEL. MINI-MAX/51-D is suitable both as a stand-alone development platform and as an attractively priced OEM module that can be embedded into other products.

MINI-MAX/51-D is fully assembled and ready to use out of the box. MINI-MAX/51-D has 64K of flash memory that can store thousands of lines of BASIC, C or 8051 Assembly language programs. Program execution speeds reach over 1 million instructions per second. Programs are downloaded into the MINI-MAX/51-D with a personal computer through the RS232 serial (COM) port. Downloads typically take only few seconds.

MINI-MAX/51-D is fully backed by warranty, technical support and application assistance from BiPOM Electronics. Wide range of peripheral boards and accessories are available.

- ATMEL AT89C51ED2 Microcontroller
- 64K Flash program memory.
- 256 Bytes of scratch pad RAM
- 1792 Bytes of extended RAM (XRAM)
- 2K Bytes of data EEPROM
- 32 Digital Input/Output Lines
- LCD, keypad and expansion connectors.
- In-System Programming/Debugging
- Powerful, yet affordable development software options include Micro-IDE, Micro C Compiler, BASCOM51 Basic Compiler, Serial loader, simulator and debugger.
- Regulated 5V DC Operation .
- 22.1184 MHz Clock speed (can be doubled to 44MHz in software)
- RS232 Serial Port
- Technical Manual and circuit schematics are provided.
- Serial Cable and serial downloader included.



Peripheral Boards

- DIO-1** I/O Expander Board
- TB-1** Training Board
- LED-1** LED Display Board
- PROTO-1** Prototyping Board
- RTC-1** Real-Time Clock Board
- MMC/RTC-1** Flash Multimedia Card Board
- DAQ-2543** 12-bit Analog input board
- DAC-1** 8 Bit analog output board
- TERMINAL-1** Terminal Block Board
- LCD242** Liquid Crystal Display
- VFD202** Vacuum Fluorescent Display
- KP1-4X4** and **KP1-3X4** Matrix Keypads
- X10-1** X10 Interface Module
- MOTOR-1** Unipolar stepper motor driver
- RELAY-1** Relay board
- RELAY-4REED** Reed relay board

