MINI-MAX/51-C

8051 Compatible Micro-controller 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.
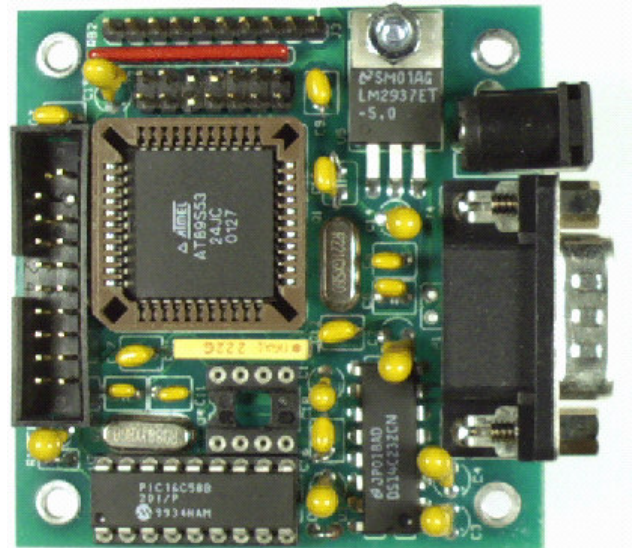
MINI-MAX/51-C is a powerful, yet easy-to-use microcomputer system based on the latest generation of flash-based 8051 micro-controllers from ATMEL.

MINI-MAX/51-C is fully assembled and ready to use out of the box. MINI-MAX/51-C has 64K of flash memory that can store thousands of lines of BASIC, C or 8051 Assembly language programs. Program execution speeds reach over 2 million instructions per second. Programs are downloaded into the MINI-MAX/51 with a personal computer through the RS232 serial (COM) port. Downloads typically take only few seconds.

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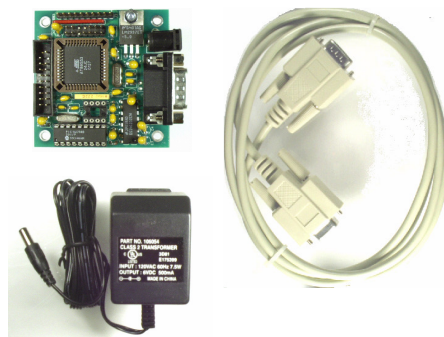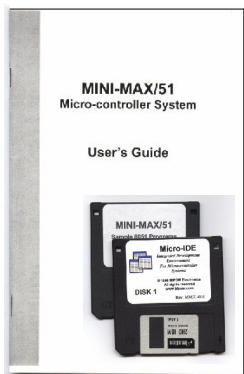
MINI-MAX/51-C Board Features:

• ATMEL AT89C51RD2 micro-controller

• 64K Flash program memory, 2048 bytes data RAM

• 512-byte serial EEPROM (Optional up to 128Kbyte EEPROM)

• RS232 Serial Port

• 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.

• Unregulated 6-12 Volts DC operation.

• 22.1184 MHz clock speed.

• Technical Manual and Circuit schematics are provided.

• 6 Volts DC Adapter, serial cable and serial downloader included.

• 8051 Training Kit based on MINI-MAX/51-C is available.

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
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
RELAY-1 Relay Board
MOTOR-1 Stepper Motor Control Board

More details and Technical Manual are available for download at www.bipom.com/minimax51c2.php