

MINI-MAX/51-F

8051 Compatible Micro-controller and Data Acquisition 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.

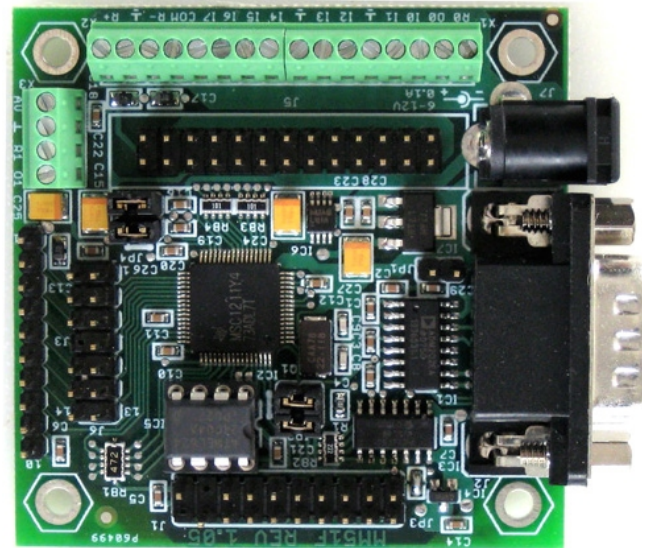
MINI-MAX/51-F is a powerful, yet easy-to-use microcomputer and data acquisition system based on the latest generation of flash-based 8051 micro-controllers from Texas Instruments. Ultra precise analog front end facilitates direct interfacing to a variety of sensors such as loadcells, pressure sensors, thermocouples, platinum RTD's and many others.

MINI-MAX/51-F is fully assembled and ready to use out of the box. MINI-MAX/51-F has 16K 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-F with a personal computer through the RS232 serial (COM) port. Downloads typically take only few seconds.

MINI-MAX/51-F is fully backed by warranty, technical support and application assistance from BiPOM Electronics. Wide

MINI-MAX/51-F Board Features:

- Texas Instruments micro-controller
- 32K Flash program memory, 1280 bytes Expanded RAM (XRAM)
- 512-byte serial EEPROM (Optional up to 128Kbyte EEPROM)
- RS232 Serial Port
- 32 Digital Input/Output Lines
- 8-Channel 24-bit Analog/Digital Converter (ADC)
- 4-Channel 16-Bit Digital/Analog Converter (DAC), 16-bit PWM
- LCD, keypad and expansion connectors
- In-system programming/debugging
- Powerful yet affordable development software options include Micro-IDE, Micro C Compiler, SDCC 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 online.
- 6 Volts DC Adapter, 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
- 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** Matrix Keypad
- X10-1** X10 Interface Module
- RELAY-1** Relay Board
- MOTOR-1** Stepper Motor Control Board
- CB-1** Zigbee/Bluetooth/IrDA Board
- OLED-1** Organic LED Display Board

