

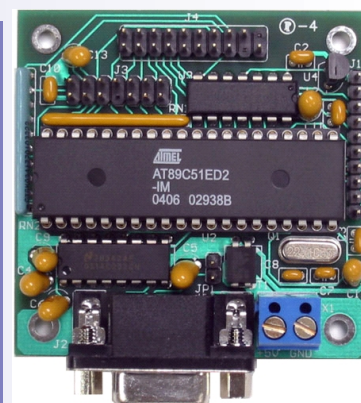
ATMEL Based Microcontroller Boards

MINI-MAX/51-D

ATMEL AT89C51ED2 Based Low-cost Microcontroller System.

MINI-MAX/51-D Board Features:

- ATMEL AT89C51ED2 Microcontroller
- 64K Flash program memory
- 2K bytes of internal RAM, 2K bytes of 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 (up to 44 MHz with software clock doubling)
- RS232 Serial Port
- Technical Manual and Circuit schematics are provided online.

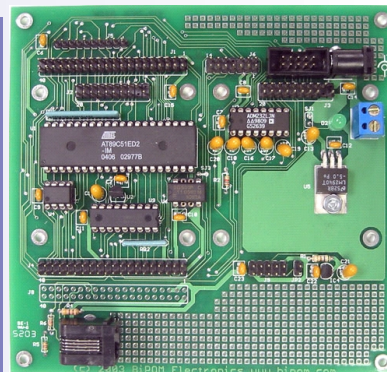


PRO-MAX/51-A

ATMEL AT89C51ED2 Based Universal Single Board Computer

PRO-MAX/51-A Board Features:

- A flexible development and prototyping platform for ATMEL micro-controllers
- ATMEL AT89C51ED2 40-pin DIP Microcontroller is included.
- Accepts all ATMEL 8051 variants with 40-DIP package.
- Operates on unregulated 12 - 18 Volts DC or 5 Volts external DC.
- 5 channel, 10-bit analog inputs
- 22.1184 MHz clock speed which can be changed by replacing the oscillator.
- Dual peripheral expansion slots
- Dual 40-pin expansion connectors for easy access to all port pins
- 512-byte 2-wire ATMEL serial EEPROM (Optional up to 128Kbyte EEPROM)
- RS232 Serial port
- X-10 jack for controlling X-10 devices through TW523 powerline interface
- Brownout detect, reset circuit and watchdog timer to detect supply problems and program lockups
- Prototyping areas for analog, digital and power sections
- Technical Manual and Circuit schematics



MicroTRAK Universal Training Kit

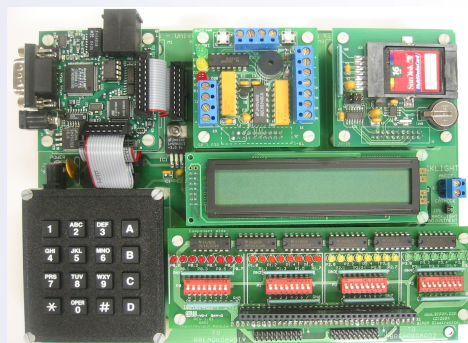
Everything you need to get started with ATMEL microcontrollers.

MicroTRAK/51-C2 Complete:

- MicroTRAK Carrier Board, MINI-MAX/51-C2 Microcontroller Board.
- TB-1 Training Board, PROTO-1 Prototyping Board.
- 8051 I/O Module, LCD242 LCD, KP1-4X4 Keypad, Cables, Adapter.
- Training Manuals, Lab Book, Cables, Adapter, Serial downloader.
- Demo versions of BASCOM51 BASIC Compiler, Micro C Compiler, Assembler, ATMEL Simulator/Debugger, Micro-IDE, Example Projects , full version of SDCC GNU C Compiler .

MicroTRAK/51-E Complete:

- MicroTRAK Carrier Board, MINI-MAX/51-E Microcontroller Board with Ethernet.
- TB-1 Training Board, MMC-RTC-1 board with RTC and 64MB MMC.
- 8051 I/O Module, LCD242 LCD, KP1-4X4 Keypad.
- WEB51 Web Server firmware.
- Training Manuals, Lab Book, Cables, Adapter, Serial downloader.
- Demo versions of BASCOM51 BASIC Compiler, Micro C Compiler, Assembler, ATMEL Simulator/Debugger, Micro-IDE, Example Projects , full version of SDCC GNU C Compiler.



The ultimate training kit and project development platform for ATMEL microcontrollers. Whether developing a new project with or learning about micro-controllers, you will find MicroTRAK a highly versatile carrier board that supports microcontroller systems with ATMEL 8051, AVR and ARM processors.