MINI-MAX/AVR-C

 AVR based Micro-controller System

The AVR micro-controller is a Modified Harvard architecture 8-bit RISC single chip microcontroller (µC) which was developed by Atmel and was one of the first microcontroller families to use on-chip flash memory for program storage.
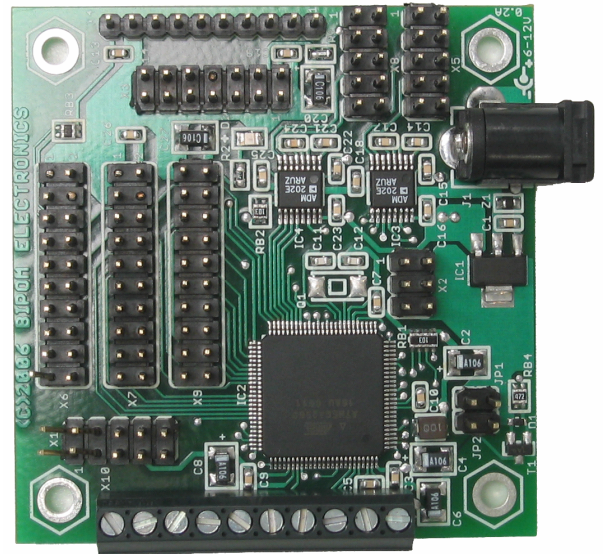
MINI-MAX/AVR-C is a general purpose, low-cost and highly expandable micro-controller system. It is based on the ATMEL ATMEGA2560-16 single-chip Flash micro-controller.

MINI-MAX/AVR-C is fully assembled and ready to use out of the box. MINI-MAX/AVR-C has 256 Kilobytes of In-System Re-programmable Downloadable Flash Memory. Capable of Up to 16 MIPS Throughput at 16 MHz.   Programs are downloaded into the MINI-MAX/AVR-C with a personal computer through the RS232 serial (COM) port or JTAG port. Downloads typically take only few seconds.

MINI-MAX/AVR-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/AVR-C Board Features:

• Up to 16 MIPS Throughput at 16 MHz
• 256 Kilobytes of In-System Re-programmable Flash Memory
• 8 Kilobytes bytes of RAM,4 Kilobytes bytes of EEPROM
• Two 8 bit Timer/Counters and four 16 bit Timer/Counters
• Programmable Watchdog Timer
• 2-wire Serial Interface (I2C)
• 12 Pulse Width channels
• 16 channel 10-bit ADC with selectable Reference Voltage
• In-circuit Programming and debugging of the micro-controller through either the JTAG or SPI interface
• Two RS232 Serial Ports and two UART Ports with 5V signals for data communications
• Keypad connector
• LCD connector (with programmable contrast adjustment for LCD)
• Expansion bus interface to low-cost peripheral boards.
• 6 Volts DC Adapter, serial cable, online technical manual and schematics.

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/minimaxavrc.php
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