MINI-MAX/ARM-E

Internet-ready micro-controller System based on ARM7 Microcontroller

The ARM micro-controller, first Introduced by ARM Ltd., is one of the most popular microcontrollers in use today with applications ranging from industrial, medical, home automation, cell phones, PDA's, computers to automotive.
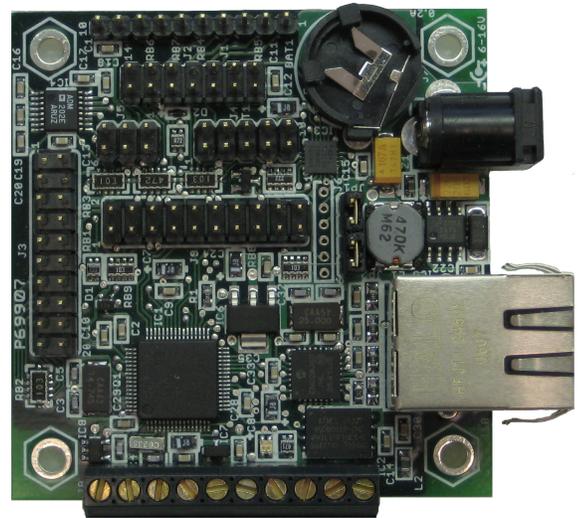
MINI-MAX/ARM-E is a powerful, yet easy-to-use, **Internet-enabled** microcomputer system based on the latest generation of flash-based ARM micro-controllers from NXP (Philips).

MINI-MAX/ARM-E is fully assembled and ready to use out of the box. MINI-MAX/ARM-E has 512K of flash memory that can store thousands of lines of C or ARM Assembly language programs. Clock speed is close to 60 MHz. Programs are downloaded into the MINI-MAX/ARM-E with a personal computer through the RS232 serial (COM) port or JTAG port. Downloads typically take only few seconds.

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

MINI-MAX/ARM-E Board Features:

- NXP LPC2138 micro-controller
- 512K Flash program memory, 32K RAM
- 1 Mbyte serial DataFlash
- Dual RS232 Serial Ports
- 32 Digital Input/Output Lines
- 5-Channel 10-Bit Analog/Digital Converter (ADC)
- LCD, keypad and expansion connectors
- In-system programming/debugging
- Powerful yet affordable development software options include Micro-IDE, GNUARM C Compiler, Keil and IAR C Compilers, serial loader.
- Unregulated 6-12 Volts DC operation.
- 60 MHz clock speed.
- Microchip ENC28J60 Ethernet controller with network interface.
- Online Technical Manual and Circuit schematics are provided.
- 6 Volts DC Adapter, serial cable and serial downloader included.
- ARM7 Training Kit based on MINI-MAX/ARM-E 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-2 Relay Board
RELAY-4 Relay Board
MOTOR-1 Stepper Motor Control Board

More details and Technical Manual are available for download at www.bipom.com/products/us/319528.html
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