

# LMB-440BX

**Full-size Socket 370 SBC**  
**PCI/ISA-Bus**  
**Pentium II/III SBC**  
**With VGA/LCD Ethernet**  
**and SCSI on board**

## Features

- ◆ Full-size Pentium II/III SBC, PCI/ISA-bus with PICMG 2.0 standard
- ◆ Supports on-board VGA/Ethernet/SCSI optional functions
- ◆ Software Programmable Watchdog Timer

## Specification

### CPU

- ◆ Intel® Pentium II/III & Celeron™ FC-PGA/PPGA Socket 370 CPU 800+ MHz , 66/100 MHz FSB

### Chipset

- ◆ Intel 440BX AGP set

### Clock Generator

- ◆ IC works clock generator & clock buffer
- ◆ Processor bus supports Pentium III processor at 66/100 MHz

### System BIOS

- ◆ 256K Bytes Award PnP Flash ROM BIOS with Y2K compliance

### System Memory

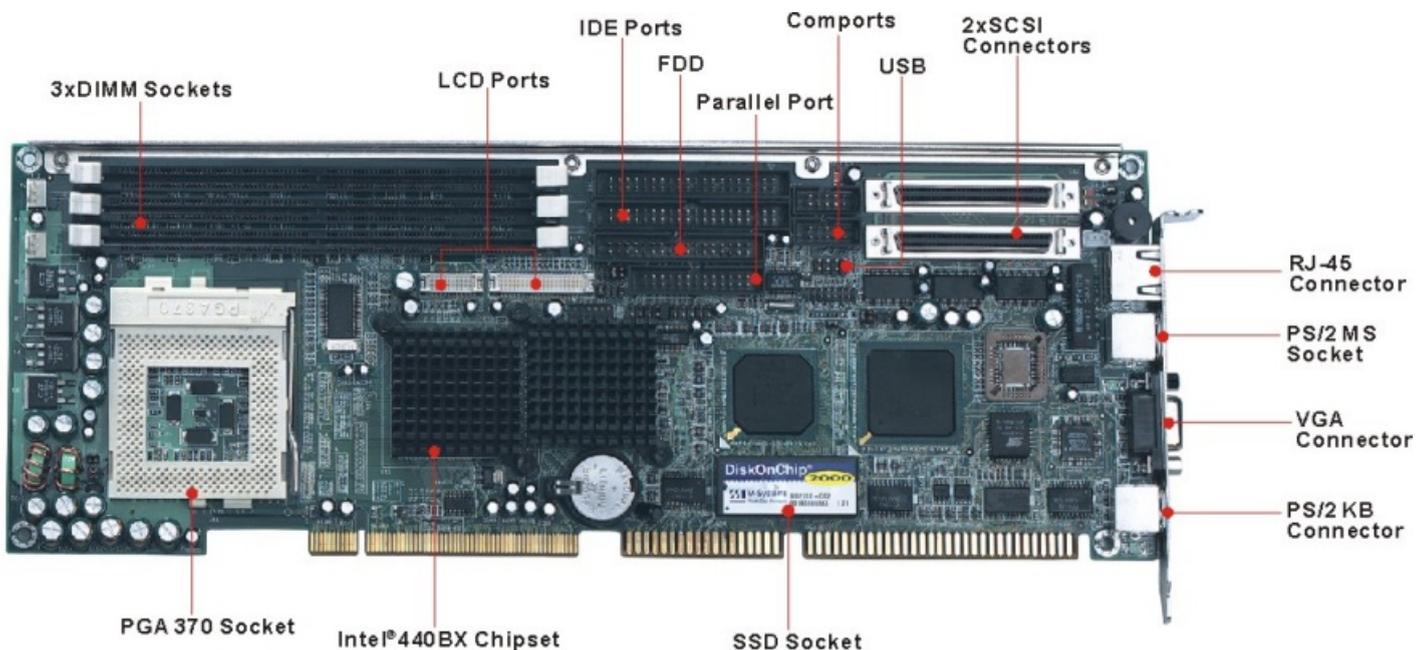
- ◆ Three 168-pin DIMM and enhanced fixed Sockets
- ◆ Support up to 768MB EDO RAM or SDRAM
- ◆ Support 66/100 MHz memory bus
- ◆ 64-Bit data interface with 8-bit ECC functionality

### Cache Memory

- ◆ Provided by processor

### Graphic and Video

- ◆ Chip & Technologies 69000 LCD/CRT high-performance AGP Graphics Accelerator
- ◆ 66MHz AGP interface
- ◆ Display memory at 2MB RDRAM on-chip
- ◆ Resolution up to 1600x1200 at 85Hz
- ◆ True color operation up to 1024x768
- ◆ VGA connector at 15-pin D-type connector



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### LAN

- ◆ Realtek 8139C
- ◆ Support 10/100 Ethernet, RJ-45 connector with TX, LINK LED indicators
- ◆ Support Wake-On-LAN function

### SCSI

- ◆ Support LSI YMBIOS C53C101-33 SCSI-3 low voltage differential with 2 channels terminal

### Flash Disk

- ◆ Disk-On-Chip 2000 support up to 288MB

### Integrated IDE controller

- ◆ Support Ultra DMA-33, supports two PCI-bus master IDE channels
- ◆ Support up to 4 devices

### Enhanced DMA controller

- ◆ Two 82C37 DMA controller
- ◆ Supports PCI DMA with 3PC/PCI channels and Distributed DMA Protocols

### Interrupt Controller

- ◆ Two 82C59, supports 15 levels interrupt

### Real Time Clock

- ◆ Built-in Chip 256-bytes Battery-Backup CMOS SRAM
- ◆ Powered by non-rechargeable lithium battery equivalent to CR2032

### Timer

- ◆ Based on 82C54

### Serial Port

- ◆ One RS-232C and one RS232/422/485(COM1 and COM2); high-speed 16550 compatible UARTs with 16-byte send/receive FIFOs

### IR Interface

- ◆ 6-pin header

### FDD Interface

- ◆ One 34-pin FDD connector supports up to two floppy drives

### Parallel Port

- ◆ One Bi-directional Parallel port supports EPP and ECP mode

### USB Port

- ◆ Two USB 1.0 port, 8-pin connector

### Keyboard/Mouse connector

- ◆ PS/2 Type Keyboard/Mouse Connector

### Watchdog Timer

- ◆ 1-255 seconds software programmable
- ◆ Defected by NMI or Reset signal

### Board type

- ◆ 6-layer PCB

### Power Regulator

- ◆ On-board Switching Voltage Regulator

### Operating System

- ◆ DOS 6.22, Windows 98, Win NT 3.51, Win NT 4.0 and Windows 2000

### Temperature

- ◆ Operating: 32 to 140°F (0 to 60°C)
- ◆ Storage: -4 to 176 F (-20 to 80 C)

### Power Supply Voltage

- ◆ +5VDC(±0.25V), ±12VDC(±0.6V)

### Relative Humidity

- ◆ Operating: 5% to 95% (non-condensing)

### Dimensions

- ◆ 340mm(L) x 122mm(W) (13.4"x4.8")

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