

1 Introduction

The Mpower 4 plus is an integrated, low-profile, LPX system board, featuring VESA Local bus architecture, a Mode 3 IDE controller, and 64-bit graphics. The Micronics Mpower 4 plus system board represents Micronics' third generation of VESA Local Bus system boards and makes an excellent foundation for an advanced personal computer or workstation.

Micronics is a forerunner in VESA Local Bus technology. The VESA Local Bus Architecture provides high performance for Graphical User Interfaces (GUIs) and peripherals that perform high speed data transfers, such as disks and multimedia.

The Mpower 4 plus is also a "**Green Board**" which means it adheres to the Environmental Protection Agency's strict Energy Star efficiency guidelines. **The Green features are not available when a DX4-100MHz is installed.** See Chapter 4 for information and instructions on how to set up the "Green Section" of the BIOS.

Features

The Mpower 4 plus includes the following features:

- ⊗ LPX form factor system board (13.25" X 8.5")
- ⊗ Micronics' X30 chipset with an on-chip external level 2 cache controller.
- ⊗ Zero Insertion Force (ZIF) socket.
- ⊗ One ISA/VL-Bus slot built onto the system board.
- ⊗ 100 percent VESA VL-Bus compliant.
- ⊗ On-board local bus video adapter, using the ATI 88800 GX *mach64* LX video controller with an 8-bit RAMDAC.
- ⊗ Local bus IDE controller with Mode 3 local bus IDE support.
- ⊗ Floppy controller (Supports 2.88MB, 1.44MB, 1.2MB, 720K, and 360K floppy drive).
- ⊗ Two high speed NS16550 compatible serial ports.
- ⊗ Bi-directional parallel port that is EPP and ECP compatible.
- ⊗ Battery-backed real-time clock.
- ⊗ Supports the following processors in the CPU ZIF socket:
 - 486SX, 25 or 33MHz
 - 486SX2, 50MHz
 - 486DX, 33MHz
 - 486DX2, 50 or 66MHz
 - 486DX4, 75 or 100MHz