

1 Introduction

The LPX30WB is an integrated, low-profile, LPX system board, featuring VESA Local bus architecture, a Mode 3 IDE controller, and 64-bit graphics. The Micronics LPX30WB 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 LPX30WB 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 LPX30WB includes the following features:

- ⊗ LPX form factor system board.
- ⊗ Micronics' X30 chipset with an on-chip external level 2 cache controller.
- ⊗ One proprietary slot built onto the system board. Slot will accommodate a riser card which supports up to one VESA and four ISA peripheral cards.
- ⊗ On-board local bus graphics accelerator, using the Trident TGUI9440AG video controller. Will accommodate 512K, 1MB, or 2MB of video memory.
- ⊗ On-board feature connectors accept:
 - 14,400 Faxmodem module (optional).
 - Ethernet network adapter module (optional).
 - 3.3V and 4.0V power modules for low voltage CPU's.
- ⊗ Accepts up to 128MB of DRAM.
- ⊗ Accepts up to 256K of external cache.
- ⊗ VESA Mode 3 IDE controller (supports two drives).
- ⊗ Secondary ISA IDE controller (supports two drives).
- ⊗ Floppy controller (Supports 1.44MB, 1.2MB, 720K, and 360K drives).
- ⊗ Two high speed 16550 compatible serial ports.
- ⊗ Bi-directional parallel port that is EPP and ECP compatible.
- ⊗ Battery-backed real-time clock.
- ⊗ Supports the following processors:
 - 486SX, 25 or 33MHz
 - 486SX2, 50MHz
 - 486DX, 33MHz
 - 486DX2, 50 or 66MHz
 - 486DX4, 75 or 100MHz
 - Cyrix 486DX, 40MHz
 - ¹⁻² - Cyrix 486DX2, 80MHz