

1 Introduction

Congratulations for choosing the Micronics LPX54! The LPX54 is a high-performance system board designed to be the foundation for advanced systems and applications.

The LPX54 is a Pentium based board which is one of the most powerful processors on the market.

The LPX54 comes with many on-board features. These include on-board in support for four IDE hard drives, two floppy drives, a bi-directional parallel port, and two high speed serial ports.

Micronics builds all products to exacting standards, using the highest quality components available. We are proud to provide this system board and hope it brings you years of reliable service.

Features

The LPX54 includes the following features:

- ⊗ Support for 90MHz or 100MHz Pentium processors.
- ⊗ LPX form factor system board (13.25" X 8.5").
- ⊗ L2 Buffer Write-through cache support (256K or 512K).
- ⊗ Supports up to 128MB of on-board system memory.
- ⊗ On-board local bus video adapter, using the ATI 88800 GX *mach64* LX video controller with an 8-bit RAMDAC.
- ⊗ PCI Mode 3 IDE controller (supports two drives).
- ⊗ Secondary ISA IDE controller (supports two drives).
- ⊗ Floppy controller for two floppy drives (supports 2.88MB, 1.44MB, 1.2MB, 720K, and 360K floppy drives).
- ⊗ Two high speed NS16550 compatible serial ports.
- ⊗ Bi-directional parallel port which is EPP and ECP compatible (see Specifications).
- ⊗ Upgradeable Flash Phoenix BIOS.

Software Compatibility

The LPX54 system board was thoroughly tested for compatibility with a variety of operating systems and environments, including:

- ⊗ Windows and Windows NT
- ⊗ OS/2
- ⊗ SCO UNIX and Open Desktop
- ⊗ Novell NetWare
- ⊗ MS-DOS
- ⊗ PC-DOS
- ⊗ NeXTStep 3.2