

Overview

The unsurpassed capabilities of the P54C 3.3V CPU combined with Intel's PCI Bus and the advanced features of VIA's VT82C570M/V™ chipset make the PA-2000 mainboard the most powerful platform around. The incorporated enhanced PCI IDE support allows the installation of four host interface devices including a CD-ROM drive or a tape streamer. The two serial/one parallel I/O controller and PCI IDE controller chips are onboard to provide you more convenient connection choices for various peripheral devices. The mainboard supports an optional EDO (Extended Data Output) page mode DRAM function pushing overall mainboard performance to a new level.

This chapter gives you a brief overview of this mainboard, providing basic information on its major parts and components.

Specifications

The PA-2000 mainboard comes with the following features:

- Intel P54C 3.3V CPU in a 320-pin ZIF socket.
- VIA VT82C570M/V chipset for high performance.
- Supports 256KB/512KB standard 3.3V or mix voltage SRAM direct-mapped write-back cache memory.
- Supports 8 up to 192MB RAM in three banks using 72-pin SIMMs; provides standard or EDO page mode DRAM operation.
- Shadowing of system and Video BIOS to speed up access.
- Award BIOS.
- Supports 128KB Flash ROM.
- Built-in VIA 82C416M/V™ provides internal keyboard controller, real-time clock and clock generator.