Overview

Based on the VIA GMC chipset, the 486-VIP-IO mainboard combines an ISA/VL-bus platform with the advanced PCI local bus. The VESA local bus which allows the system to run synchronously with the CPU and the PCI local bus which improves the performance of disk I/O dramatically speeds up graphics performance. This motherboard design delivers unsurpassed flexibility that supports SMM (System Management Mode) CPUs, multi-master operations and provides built-in power management features ideal for Green PCs. The optional enhanced IDE support allows the installation of four host interface devices including CD-ROM drives.

The board's specially equipped chipset, VIA VT82C505, is a bus bridge that extends the ISA/VL-bus to a complete PCI/ISA/VL system by fully integrating system management interface, power management unit, keyboard controller with PS/2 mouse interface, clock stop mechanism and write-back level-one cache support. In addition, it meets PCI2.0 specification for proper arbitration between PCI masters and transaction between PCI masters and slaves. This chapter gives you a brief overview of this mainboard, providing basic information on its major parts and components.

Specifications

The 486-VIP-IO mainboard comes with the following features:

- Supports Intel 80486SX/DX/IntelDX2™/IntelDX4™/486 SL-Enhanced/Cyrix Cx486S/DX™ microprocessor in a PGA package.
- VIA VT82C486A-F PC/AT chipset includes built-in 8042 keyboard controller.
- VIA VT82C505-D chipset for VESA to PCI bridge.