

Main Features

The VA-501 mainboard comes with the following high-performance features:

- **Easy Installation**
Award BIOS with support for Plug and Play, auto detection of Hard Drive and IDE features, MS Windows 95 and Windows NT compatible.
- **Flexible Processor Support**
The onboard 321-pin ZIF socket supports Intel Pentium (P54C) CPU speed 75/90/100/120/133/150/166/180/200 MHz processors / P54CTB.
Cyrix 6x86-P120+ (100 MHz) / 6x86-P133+ (110 MHz) / 6x86-P150+ (120 MHz) / 6x86-P166+ (133 MHz) processors.
IBM 6x86-P120+ (100 MHz) / 6x86-P133+ (110 MHz) / 6x86-P150+ (120 MHz) / 6x86-P166+ (133 MHz) processors.
AMD K5-PR75 (75 MHz) / K5-PR90 (90 MHz) / K5-PR100 (100 MHz) / K5-PR120 (90 MHz) / K5-PR133 (100 MHz) / K5-PR150 (120 MHz) / K5-PR166 (133 MHz) processors.
- **Leading Edge Chipset**
VIA Apollo 580VP chipset, including a CPU interface controller, advanced cache controller, integrated DRAM controller, synchronous ISA bus controller, PCI local bus interface, integrated power management unit.
- **Ultra-fast Level II Cache**
Supports onboard 256KB/512KB synchronous PBSRAM direct-mapped write-back cache memory.
- **Versatile Main Memory Support**
Accepts up to 64MB RAM in two banks using 72-pin SIMM modules of 4, 8, 16, 32MB with support for EDO and Fast Page Mode memory.

■ **ISA & PCI Expansion Slots**

Three 16-bit ISA and four 32-bit PCI expansion slots provide all the room you need to install a full range of add-on cards.

■ **Enhanced PCI Bus Master IDE Controller**

Integrated Enhanced PCI local bus IDE controller with two connectors supports up to four IDE devices such as Hard Disk, CD-ROM or Tape Backup drives via two channels for high speed data throughput. This controller supports PIO Modes 3 and 4, and DMA Mode 2 for optimized system performance.

■ **Super Multi I/O**

Integrated UMC 669/LGS Prime 3C chipset features two 16550A UART compatible serial ports, one EPP/ECP capable parallel port, and one Floppy Disk Drive connector.