

## Main Features

The VA-502 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, and MS Windows 95 compatible.
- **Flexible Processor Support**  
Onboard 321-pin ZIF socket and switching voltage regulator support complete range of leading-edge processors:  
Intel Pentium® P55C with MMX™ technology 166/200/233 MHz processors.  
Intel Pentium® P54C/P54CS 90/100/120/133/150/166/200 MHz processors.  
AMD-K6™-166 (166 MHz) / K6-200 (200 MHz) / K6-233 (233 MHz) processors.  
AMD-K5™- PR90 (90 MHz) / K5-PR100 (100 MHz) / K5-PR120 (90 MHz) / K5-PR133 (100 MHz) / K5-PR150 (105 MHz) / K5-PR166 (116 MHz) / K5-PR200 (133 MHz) processors.  
Cyrix M2 150/166/200/233 MHz processors.  
Cyrix 6x86™- PR133+ (110 MHz) / 6x86-PR150+ (120 MHz) / 6x86-PR166+ (133 MHz) / 6x86-PR200+ (150 MHz) processors.  
IBM M2 150/166/200/233 MHz processors.  
IBM 6x86™- PR133+ (110 MHz) / 6x86-PR150+ (120 MHz) / 6x86-PR166+ (133 MHz) / 6x86-PR200+ (150 MHz) processors.
- **Leading Edge Chipset**  
VIA 580VPX 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 512MB RAM in two banks using four SIMMs of 8, 16, 32, 64, 128MB with support for FPM and EDO DRAM and two DIMMs of 8, 16, 32, 64MB with support for SDRAM and EDO DRAM.
- **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.
- **USB Support**  
Two USB ports on an optional riser card allow convenient, high-speed Plug and Play connections to the growing number of USB compliant external peripheral devices on the market.
- **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 SMC FDC 37C669/UMC UM8669F chipset features two 16550A UART compatible serial ports, one EPP/ECP capable parallel port, one IR port, and one Floppy Disk Drive connector.