

# PDVIA

**Dual-capable, Ultra3 SCSI & Ethernet Solution**



**VIA APOLLO Pro 133A  
chipset**

**Dual slot 1 CPU sockets  
and 66/100/133 MHz FSB**

**PC133 and support memory  
space up to 2GB SDRAM**

**Supports AGP2.0 1X/2X  
and 4X modes**

**Dual Ultra3 SCSI channels**

**IDE UltraDMA 33/66 disk**

**10/100 BaseT LAN on board**

**Supports Hardware Monitor**

**Rioworks<sup>TM</sup> SmartWatch<sup>TM</sup>  
Server Management**

*PDVIA, the highly integrated desktop server to the workgroup server needed, provides the platform solutions of the latest/fastest processors of dual symmetric Pentium III Coppermine and Pentium II Katmai. The four DIMM slots which supporting PC66/100/133 SDRAM can easily switch current memory assets to the new powerful platform without any transition penalty. On board SCSI and LAN chips offer the simple to buy and easy to own with less configuration efforts. Easy upgrades in processor, memory, bundled SCSI/LAN and Hardware Monitor functions ensure the PDVIA will take care of the business computing needs today and protect the investment in Information Technology tomorrow. To sum up, PDVIA delivers high performance and true server functionality at affordable price range to best fitting in small and medium-sized business efficiency and effectiveness.*

For more information, please visit us at  
**[www.rioworks.com](http://www.rioworks.com)**

# Features / Benefits

## Dual Symmetric Pentium III CPU Solution

PDVIA supports up to two Pentium III Coppermine processors with 100/133MHz Front Side Bus or Pentium II Katmai processors with 100 MHz Front Side Bus.

## PC 66/100/133 Memory Solution

This four DIMM slots bring the customer best investment interest without any transition penalty. PDVIA can support high performance PC133 SDRAM or utilize current PC100 without any technology inconsistency or resources wastage.

## AGP4X Slot

PDVIA provides an AGP 4X connector, which provides wide selections of advanced 3D graphics cards.

## Dual Ultra3 SCSI channels for 320MB/s

The Symbios Ultra3 host controller supports a combined data transfer rate of 320MB/s across two independent Ultra3 channels. This dual Ultra3 SCSI channels functionality make PDVIA a perfect match for high throughput applications such as data mining, streaming video, and scientific modeling. Moreover, the PDVIA's Ultra3 feature set including SureLINK™ Domain Validation, Double Transition Clocking (data rate up to 160MB/s per channel), and cyclical Redundancy Check.

## 10/100 Mbps LAN

Intel 10/100 Ethernet controller on board makes the system sharing resource and monitoring the status with ease.

## PC'99 Compliant Color-Coding I/O

### Connectors

This colored Keyboard (PS/2)/ Mouse (PS/2)/ Serial/Parallel/USB connectors will make your system installation and maintenance with less fuss.

## UltraDMA/66

UltraDMA/66 will double the transfer bandwidth of today's IDE devices, up to 132MB/s, as well as support the backward compatible UltraDMA/33 IDE devices.

## Hardware Monitor and System Management

Integrated hardware monitoring of fans, temperature/thermal, voltage and chassis intrusion, Rioworks™ SmartWatch™ will notify the critical status of system event to prevent from the system data loss.

# Specification

## Processor

Dual slot 1 CPU solution  
Pentium III Coppermine (133/100MHz FSB)  
Pentium III Katmai (100MHz FSB)  
Integrated VRM complies to spec 8.4

## Chipset

VIA Apollo Pro133A  
133MHz Front Side Bus  
PC133/100/66 SDRAM

## System BIOS

Award 2 Mb flash EEPROM BIOS  
Jumper free setting by software  
Vcore and CPU host bus frequency setting table  
Full ACPI, DMI, Green, PnP compliance

## System/I/O-bus

66/100/133 MHz Front Side Bus  
Support overclocking 150FSB or higher  
AGP4x  
66/100/133 MHz system memory bus

## System Memory

Four DIMM slots up to 2GB system memory  
PC66/100/133 SDRAM  
Advanced ECC memory controller supporting SDRAM, VCM, EDO and FP-RAM

## Onboard Dual SCSI

Dual ultra3 SCSI channels for bandwidth up to 320MB/s  
Affordable RAID solution using SCSI Interrupt Steering Logic(SISL)

## Onboard LAN

10/100 Mbps Ethernet

## Onboard Multi I/O

Two serial ports with UART 16550  
One parallel port with ECP/EPP support  
Dual onboard USB connectors  
PS/2 mouse and keyboard connectors with Wake-up function  
One LAN port

## Hardware monitor and System management

Hardware monitor of CPU Thermal Protect, CPU/System Fan monitor, Voltage Report, Power supply Voltage, Chassis Intrusion  
Rioworks™ SmartWatch™ to alert the event of hardware problem  
Prevent from abnormal system down/data loss

## Expansion Slots

5 PCI , 1 AGP, 1 ISA/PCI

## Board Size

ATX form factor with size: 12.1" x 9.8"

The specification is subject to change without notice.

The brand and product name are trademarks of their respective companies.