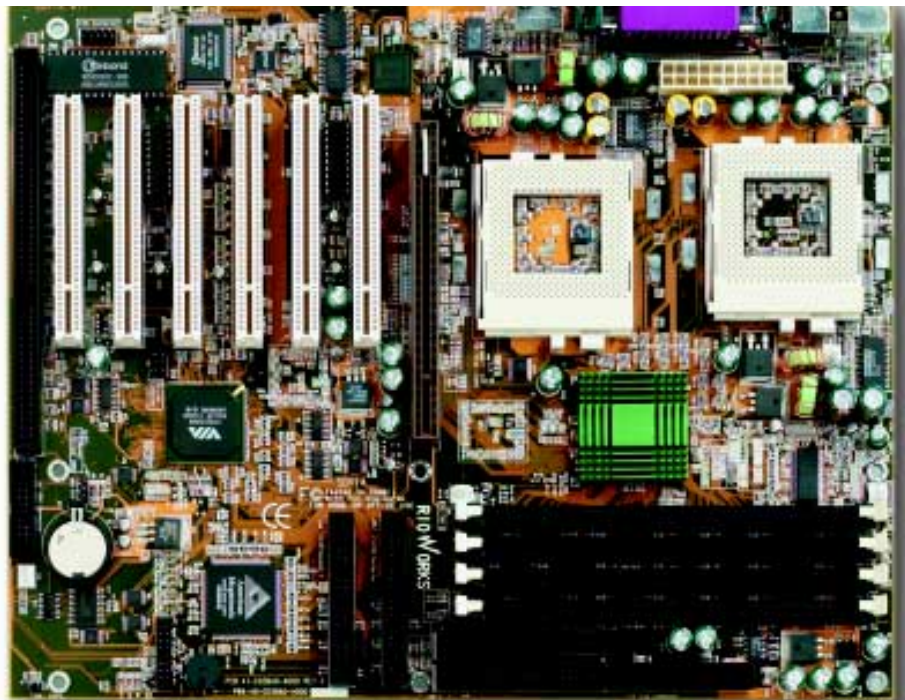


SDVIA

Dual FC-PGA Platform with Data Secured RAID



*VIA VT82C694X and
VT82C596B chipset*

*Dual FC-PGA socket-370
CPU solution and 100MHz/
133MHz FSB*

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

*Supports AGP Pro and 4X
modes*

IDE UltraDMA 33/66 disk

IDE RAID 0, 1 and 10

10/100 BaseT LAN on board

Supports Hardware Monitor

*Supports ACPI S3, Suspend
to RAM*

*RioworksTM SmartWatchTM
Server Management*

SDVIA, a dual processor motherboard of Pentium III Coppermine (FC-PGA), provides the powerful platform to satisfy today's needs on highly integrated workstation or sub-entry's server. With the latest AGP PRO slot, users can enjoy the most advanced / high-end graph cards with ease. The IDE RAID chip on board will boost up the data transfer rate (RAID level 0) or protect the disk data by replication (RAID 1) without putting too much strain on CPU, comparing with the software-based RAID. Further, the most up-to-date technology of ATA/100 will also enhance the data transfer rate up to 100MB/s. To sum up, SDVIA delivers high performance and true workstation/ server functionality at affordable price range.

For more information, please visit us at
www.rioworks.com

Features / Benefits

Single/ Dual Pentium III FC-PGA Solution

SDVIA supports up to two Pentium III FC-PGA Coppermine processors, with 100/133MHz Front Side Bus.

PC100/133 Memory Solution

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

AGP Pro Slot

SDVIA provides an AGP Pro connector, which provides wide selections of advanced 3D graphics cards and satisfies the demands of the latest graphic markets.

IDE RAID with ATA/100 Compatible

The AMI's IDE RAID controller supports IDE transfer rate up to 100 MB/s per channel and RAID level 0 (Striping), 1 (Mirroring) and 0+1 (Striping + Mirroring). The hardware RAID controller will perform the RAID functions at minimum cost of sharing the CPU bandwidth, comparing to software RAID, and be capable of booting from RAID Configured Array. It has two channels and can connect up to four drives.

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.

10/100 BaseT Ethernet

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

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 socket 370 solution
Intel Pentium III Coppermine FC-PGA (133/100MHz FSB)
Integrated VRM complies to spec 8.4

Chipset

VIA Apollo Pro133A

System BIOS

Award BIOS on 2Mb flash
S3, Suspend to memory
Legacy USB support
Wire for Management 2.0/Wake On LAN
Jumper free setting by software
Vcore and CPU host bus frequency setting table

System/IO-bus

100/133 MHz FSB
Support overclocking 150FSB or higher
AGP Pro
100/133 MHz system memory bus
Ultra DMA 33/66/100 EIDE

System Memory

Four DIMM slots up to 2GB system memory
PC100/133 SDRAM
Advance ECC memory controller supporting SDRAM, VCM, EDO and FP

Onboard IDE RAID

Two channels and up to four drives
ATA/100 Compatible
RAID Level 0, 1, 10

Onboard LAN Chip

Intel 10/100 Ethernet

Onboard Multi I/O

Two 9-Pin Serial Ports with UART
One parallel port with ECP/EOO Support
Dual onboard USB connectors
PS/2 Keyboard and mouse 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

5x PCI, 1x AGP Pro, 1x ISA/PCI

Board Size

ATX form factor with size: 12.1"x9.8"

The specification is subject to change without notice.

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