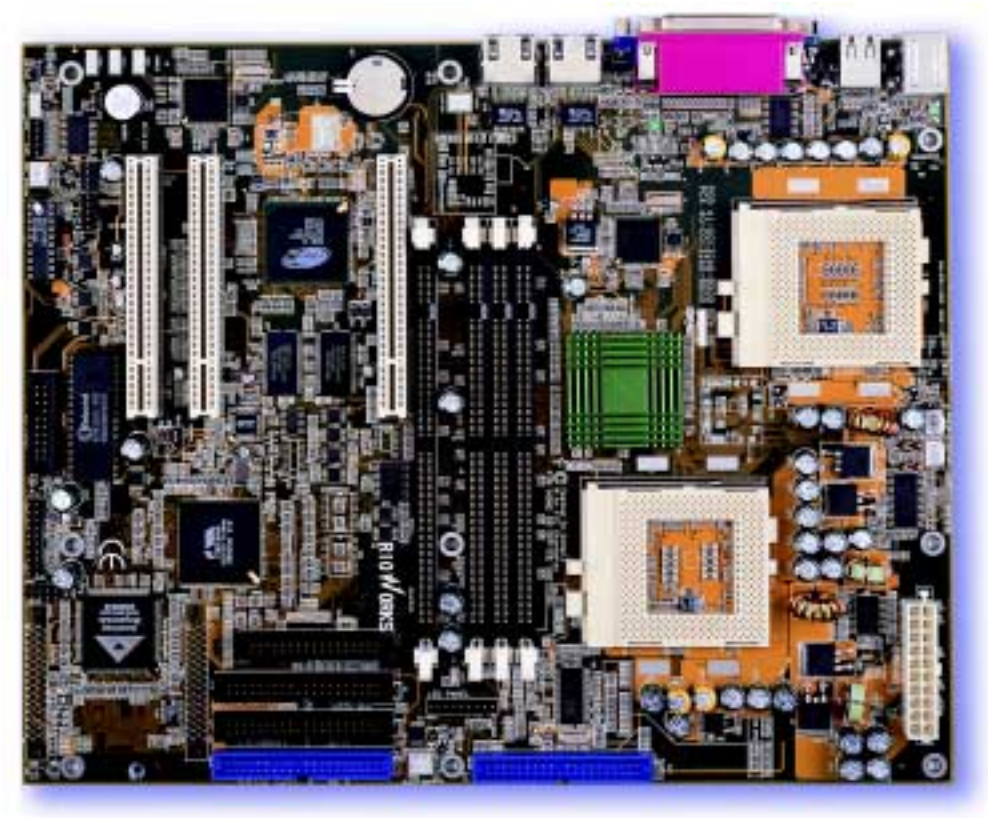
RIOWORKS™
The Reliable Building Block

SDVIB

Value 1U Dual PIII System



- VIA Apollo Pro 133A chipset
- Dual FC-PGA socket-370 solution with 66MHz/100MHz /133MHz FSB
- PC133 and supports- memory space up to 2GB ECC SDRAM
- IDE UltraDMA 33/66/100 disk
- Dual 10/100 BaseT LAN onboard
- Integrated AMI ATA100 RAID and VGA onboard
- VGA controller onboard
- Rioworks™ SmartWatch™ Server Management

***SDVIB**, a dual processor motherboard of Pentium III Coppermine (FC-PGA), provides the powerful platform to satisfy today's needs on cost-sensitive and performance -density server platform. The IDE RAID chip on board will boost up the data transfer rate (RAID level 0) or protect the disk data by replication (RAID level 1)without putting the strain on CPU, comparing to the software-based RAID. With the integration of dual NIC controllers Iplus VGA solution onboard, these optimized features will be utilized to the fast frowing 1U/2U server application.*

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

Features / Benefits

Single/ Dual Pentium III FC-PGA Solution

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

PC100/133 Memory Solution

The PC133 memory architecture increases the memory subsystem throughput to 1.0GB/s with Unbuffered or Registered SDRAM. The four DIMM sockets provide system memory up to 2GB.

VGA onboard

The onboard VGA with 4MB memory will meet server's graphic requirements and eliminate users the hassle, time-consuming and considerable expense of purchasing and installation costs.

Highly integrated Ethernet/Ultra 160 SCSI

Designed for business mission oriented system, the SDVIB embeds two 10/100Mb Ethernet controllers and AMI ATA100 RAID functions onboard. The optimized integration SDVIB is the best fitting for business/power user environments.

PC'99 Compliant Color-Coding I/O Connectors

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

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 form the system data loss.

Specification

Processor

Dual socket 370 solution or single Cyrix/Celeron (66/100 FSD) platform
Intel Pentium III Coppermine FC-PGA (133/100FSB)
Integrated VRM complies to spec 8.4

Chipset

VIA Apollo Pro133A with south bridge VT82C686B

System BIOS

Award BIOS on 4Mb flash
I2O, Suspend
Legacy USB support
MP 1.1 & 1.4 compliant
SMBIOS 2.3 compliant
DMI 2.0 compliant
Wire for Management 2.0/Wake On LAN
APM 1.2/ACP 1.0
LS-120, limega zip support
MO, DVD and CD-ROM support
Advanced IDE (supports bigger than 8GB HDD with S.M.A.R.T) features
Soft Power-down
Secure Boot
Multiple boot support
Y2K compliant
Auto reset after overclocking

System/IO-bus

66/100/133 MHz FSB
100/133 MHz system memory bus
Ultra DMA 33/66/100 EIDE

System Memory

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

Onboard SCSI controller

Single Ultra 160 SCSI channel for bandwidth up to 160MB/s

Onboard IDE RAID

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

Onboard LAN Chip

Two Intel 10/100 Ethernet controllers

Onboard Multi I/O

Two 9-Pin Serial Ports with UART
One parallel port with ECP/EPP Support
Dual onboard USB connectors
PS/2 Keyboard and mouse connectors with wake-up function
Two RJ45 Ethernet Jack
One VGA output

Onboard VGA

ATI Rage XL with 4MB Memory on board

Hardware monitor, System management

Hardware monitor of CPU Thermal Protect, CPU/System Fan monitor, Voltage Report, Chassis Intrusion
Rioworks™ SmartWatch™ alerts the event of hardware problem, prevents from abnormal system down/data loss
Header of Wake On LAN to support the power on features via Ehernet LAN

Expansion Slots

3x PCI

Board Size

ATX form factor with size: 30.5x24.4cm
