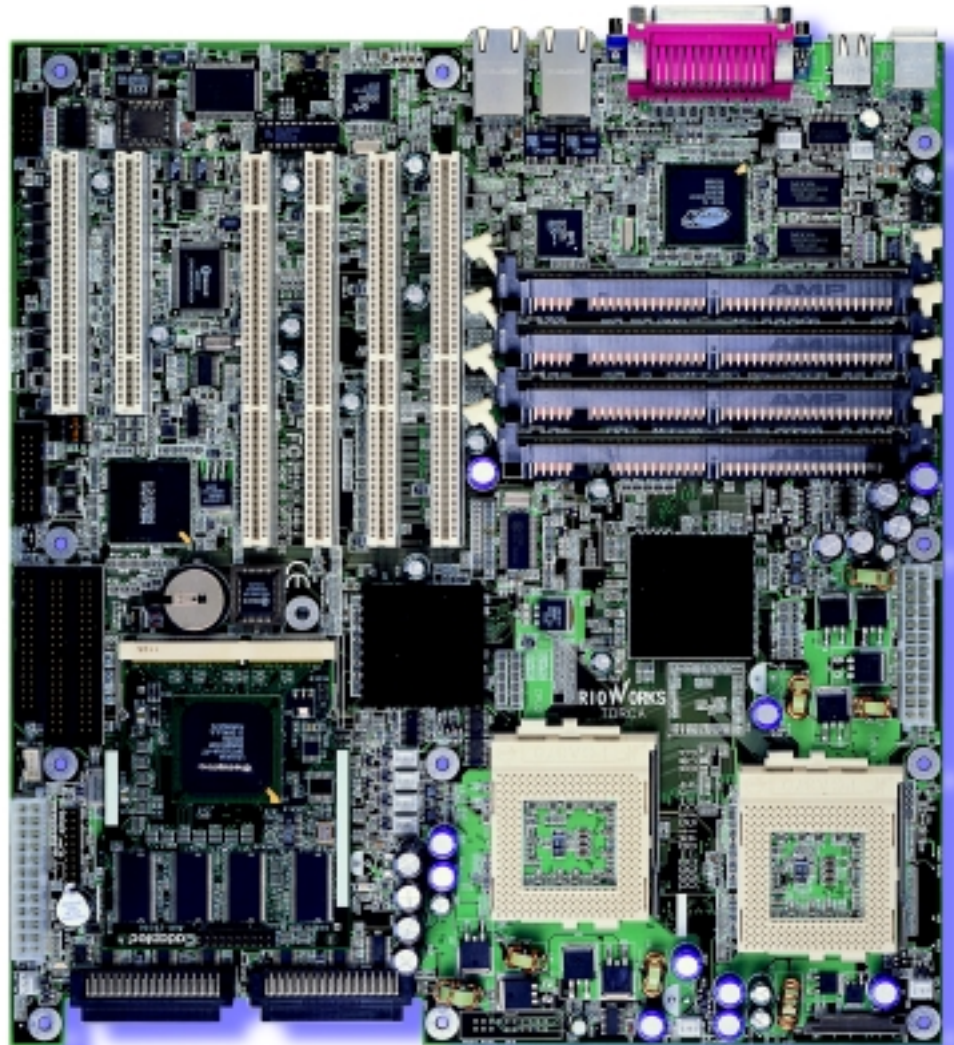


TDRCA

Performance Density 1U/2U Server



A symmetric dual Tualatin CPU

Supports latest 133MHz Front Side Bus

PC 133 Memory supports up to 4GB ECC SDRAM

4 slots of 64bit/66MHz PCI provide excellent expansion performance

Highly integrated Dual Ethernet & Ultra160 SCSI Plus VGA

Adaptec Zero channel RAID Ready

Dual 10/100 NIC for automatic fault tolerance (AFT) and automatic load balancing

25° DIMM sockets for 1U/2U performance density needs

Integrated Base-Board Management (BMC) and RioworksTM SmartWatchTM server management

TDRCA scales up the whole system performance by supporting CPU 133FSB, PC133 memory and the 64bit/66Mhz PCI bus with dual Ultra160 SCSI supporting an Adaptec zero-channel RAID adapter. Furthermore, TDRCA integrating dual NIC and Base-Board management (BMC) controller plus onboard VGA solution is the optimized configuration for 1U/2U server application.

Features / Benefits

Flex/Upscale CPU Solution

FC-PGA2 sockets support 133FSB(Front Side Bus).

Configured to the Symmetric Dual-capable system

Applied the latest design, TDRCA architecture is transparent to adopt the second CPU upgrade, as well as the multiprocessing/multithreaded environment for the standard operating system and application software. Starting from basic single CPU, you can be easy to double the system processing power to protect your investment for the business growth needed - by adding on the second CPU.

Upsize the Memory bandwidth and capability

The PC133 memory architecture increases the memory sub-system throughput to 1.0GB/s with Registered SDRAM. The four DIMM sockets provide system memory up to 4GB with ECC support. Moreover, the 25°DIMM sockets can best fit in 1U limited height.

Dual PCI bandwidth

TDRCA provides two concurrent 64bit/66MHz channel additional to 32bit/33MHz PCI bus. The overall PCI bandwidth would expand to 666 MB/s (533MB/s+133MB/s) and provide excellent business expansion/performance capability.

VGA onboard

The onboard VGA with 4MB memory shall meet server graphic requirements and eliminate users the hassle, time-consuming and considerable expenses of purchasing and installation.

Highly integrated Ethernet/Ultra 160 SCSI

Designed for business mission oriented system, the TDRCA embeds two 10/100Mb LAN controllers and multithreading dual Ultra160 SCSI channel onboard. Because of the optimized integration, TDRCA is the best fitting for rack-mount server environments.

ADAPTEC RAID READY

The TDRCA supports an optional Adaptec zero-channel card ideal for high-density servers because of the power efficient processor and low-profile form factor.

PC'99 Compliant Color-coding I/O Connectors

These colored VGA/serial/parallel/USB connectors will make your system installation and maintenance easier.

Hardware Monitor and System Management

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

Specification

Processor

Dual FC-PGA2: Tualatin 1.13GB+
Integrated VRM complies to spec 8.5

Chipset

ServerWorks. HE-SL with south bridge CSB5

System BIOS

AMI BIOS on 4Mb flash
I2O support
Legacy USB support
MP 1.1 & 1.4 compliant
SMBIOS 2.3 compliant
DMI 2.0 compliant
Soft Power-down
Secure Boot
Multiple boot support
Y2K compliant/PC99 compliant

System I/O-bus

133 Front Side Bus
Two-way interleaved PC133 Memory

System Memory

Four DIMM slots supports up to 4GB SDRAM memory capability

Onboard Dual SCSIs and LANs

Dual Ultra160 SCSI channels for bandwidth up to 320MB/s.
Dual 10/100 LANs onboard.

Onboard Multi I/O

NS super I/O
1+1 serial ports with UART 16550
One parallel port with ECP/EPP support
Dual ICMB connectors
Dual onboard USB connectors
PS/2 mouse and keyboard connectors with Wake-up function

Zero channel RAID Card (optional)

Adaptec SCSI RAID 2005S

ATX Power Connector

3V, 5V, 5Vstandby and 12V 24-pin
Supports Wake on LAN

Hardware monitor and System management

Hardware monitor of CPU Thermal Protect, CPU/System Fan monitor, Voltage Report, Chassis Intrusion
Rioworks™ SmartWatch™ to alert the event of hardware problem
Prevent from abnormal system down/data loss
Header of Wake On LAN to support the power on features via LAN
IPMI compliance feature connector for MegaRAC

Expansion Slots

6 PCIs (4x64bit/66Mhz, 2x32bit/33Mhz)

Board Size

SSI form factor with size: 12" x 13"

The specification is subject to change without notice.

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