

# PURCA

## Xeon Entry Platform



Single Intel Xeon  
(Prestonia) solution

ServerWorks GC-SL  
chipset

400MHz FSB support

PC1600/PC2100 DDR  
SDRAM with ECC  
support and memory  
space up to 4GB  
capacity

2 PCI-X slots provide  
high performance I/O  
capacity

Dual Gigabit Ethernet  
controllers support au-  
tomatic fault tolerance  
and load balance

Supports Hardware  
Monitor

BMC (Base-board  
Management  
Controller) supports  
efficient system man-  
agement

R i o w o r k s <sup>TM</sup>  
SmartWatch<sup>TM</sup> Server

**PURCA** built-in with the latest Intel Xeon (Prestonia) Processor provides a powerful platform to satisfy today's needs on highly integrated workstation/sub-entry's server. With Intel's new hyper-threading technology, it can increase the speed and quality of multitasking capabilities for server users who run unique applications simultaneously.

Other features also include IDE RAID chip onboard to boost up the data transfer rate, protect the disk data and without straining the cost of CPU; two PCI-X 64bit slots to provide high performance I/O capacity; ATA-133 to enhance the data transfer rate up to 133MB/s; and two Gigabit Ethernet controllers to increase I/O bandwidth and meet the demands on Server.

The outstanding performance of PURCA is the true server functionality. With the affordable price PURCA is your best choice.

## Specification

- **Processor**  
Single Intel Xeon CPU (Prestonia) 2.0GHz+  
Compliant VRM 9.1
- **Chipset**  
ServerWorks GC-SL, CSB5, CIOB-X2
- **System/IO-bus**  
400MHz system bus frequency  
Ultra DMA 100/66/33
- **Main Memory**  
Four DIMM slots support up to 4GB PC2100 memory  
capacity  
Support ECC function
- **Onboard VGA and LAN**  
ATI RageXL video controller with 8MB memory  
Dual Broadcom 5702 Gigabit Ethernet Controller
- **Onboard IDE RAID**  
Promise RAID controller (PDC20271) supports RAID  
Level 0, 1 and 10 with ATA/133 Compatible
- **Onboard Multi I/O**  
NS super I/O  
1 floppy connector  
1 + 1 serial ports with UART 16550  
One parallel port with ECP/EPP support  
Dual ICMB connectors  
Dual onboard USB connectors 2 USB headers  
PS/2 mouse and keyboard connectors with Wake-up  
function
- **Hardware Monitor and System Management**  
Winbond 83910F BMC (Base-board Management  
Controller) onboard  
IPMI compliance feature connector  
Rioworks SmartWatch<sup>TM</sup>
- **Expansion Slots**  
Two PCI-X, and three 32bit/33MHz PCI slots
- **Board Size**  
ATX form factor with size: 12" x10.5"

The specification is subject to change without notice.

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## R1140



*Rioworks R1140* is the density-optimized server for space conscious front-end networking sites requiring high reliability and performance in a 1U rack-mount environment. By Serverworks GC-SL chipset, R1140 supports a Xeon processor at 400MHz FSB as well as PC2100 SDRAM for up to 4GB system DDR memories. This truly state-of-the-art barebone solution combines highly reliable and integrated technology with the innovative density-optimized 1U server chassis bundling 4 IDE hot-swap HDD bays.

## Specification

- *Processor*  
Single Intel Xeon CPU (Prestonia) 2.0GHz  
Compliant VRM 9.1
- *Chipset*  
ServerWorks GC-SL; CSB5, CIOB-X2
- *System BIOS*  
PHOENIX BIOS on 4Mb flash  
Legacy USB support  
Jumper-less setting for Vcore and CPU host bus frequency setting table  
MO, DVD, CD-ROM support
- *System Memory*  
Four DIMM slots support up to 4GB PC2100 memory with ECC function
- *Onboard VGA and LAN*  
Dual Broadcom 5702 (32bit/66Mhz) Gigabit Ethernet controllers  
ATI RageXL 8MB
- *Onboard IDE RAID*  
Promise RAID controller (PDC20271)  
Dual Channels  
ATA-133 Compatible  
RAID Level 0, 1, 10
- *Onboard Multi I/O*  
1x 9-Pin Serial Ports with UART  
1x parallel Port with ECP/EPP Support  
2x USB connectors+ 2x USB headers  
PS/2 Keyboard and mouse connectors with wake-up function
- *Device Bays*  
Four HDD bays plus slim CD-ROM
- *Expansion Slots*  
Support one 64bit PCI-X full size expansion card
- *PFC Switching Power Supply*  
250W PFC Switching Power Supply
- *System Management*  
Winbond 83910F BMC chipset  
IPMI 1.5 compliance feature connector  
Rioworks Smartwatch
- *Dimension*  
Space saving 1U; 43.5mm(H) x 428mm(W) x 578mm(D)

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Space saving 1U rack optimized

ServerWorks GC-SL

Full function LED display and two front size USB inputs

4 IDE HDD plus 1 slim CD-ROM

PC2100 registered ECC DDR memory, expandable up to 4GB

One PCI-X expansion

Dual Gigabit NIC for automatic fault tolerance and load balance functions

8MB onboard VGA

Hot-Swap fans module

Integrated BMC function and Rioworks™ SmartWatch™ Server Management