

# RR-1230



**RAVE Computer's RR-1230 server delivers affordable performance to power web and infrastructure applications for organizations of any size.**

## RACK-DENSE, FLEXIBLE PERFORMANCE

Data center growth has spurred the need for space-conscious servers that can deliver support for applications without taking up valuable square footage. The RR-1230 server's processor options and rack-dense chassis mean that you can pack the right amount of power into a small form factor.

Featuring the Quad-Core Intel® Xeon® 3300 and 3200 Series Processors, the RR-1230 enables you to experience the benefits of quad-core technology. This technology combines four processing cores into a single processor chip for exceptional performance and power efficiency. It is ideal for running multiple applications and multi-threaded tasks common in many of today's software applications.

For environments that require less processing capability, the RR-1230 server also supports the Dual-Core 3000 series processor, which offers a generous price/performance ratio for incredible value. You can also choose the Intel Core 2 Duo, Pentium Dual-Core or Celeron® processor for simpler tasks such as file and print applications.

## SCALABILITY FOR FURTHER FLEXIBILITY AND INVESTMENT PROTECTION

The RR-1230 server is designed to be able to grow as your needs grow and as technology evolves. The new high-performance PCI Express™ architecture delivers flexibility and investment protection. The RR-1230 has a choice of two risers—one with x4 (x8 connector) and x8 PCIe slots, a second with one x8 PCIe slot and one PCI-X® 64/133 slot. Plus, dual embedded Gigabit NICs offer high bandwidth network connectivity, I/O traffic load balancing and fail-over for performance and data availability.

Additionally, the server supports up to 8GB of ECC DDR2-667/800 memory and is able to support 64-bit applications so that you can easily take advantage of the latest technology developments. It also supports up to two cabled SATA or SAS hard drives enabling as much as 2.0TB of internal storage capacity to meet growing data storage demands.

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| FEATURES                          | RAVE Computer's RR-1230 Server  |
|-----------------------------------|---|
| Form Factor                       | 1U rack   |
| Processors                        | Dual and Quad-Core Intel® Xeon® 3000 Sequence Processors<br>Intel® Core 2 Duo processors<br>Intel® Pentium Dual-Core processors<br>Intel® Celeron processors  |
| Processor Sockets                 | 1   |
| Front Side Bus or Hyper Transport | Up to 1333 MHz  |
| Cache                             | Up to 6MB   |
| Chipset                           | Intel 3200  |
| Memory                            | 512MB-8GB DDR-2 667/800 ECC SDRAM   |
| I/O Slots                         | Four total: two Gigabit embedded NICs plus one of two risers:<br>Riser 1: one PCI-X slot (64-bit/133MHz); one PCI Express slot (1x8 lane)<br>Riser 2: two PCI Express slots (1x4 lane with x8 connector and 1x8 lane) |
| Drive Controller                  | Embedded SATA Controller, Optional SAS 5/E Controller   |
| RAID Controller                   | Optional SAS 6/iR or PERC 6/E   |
| Drive Bays                        | 2 x 3.5" cabled SATA or SAS<br>1 x slim-type optical  |
| Maximum Internal Storage          | 2.0TB (2x1.0TB) SAS<br>2.0TB (2x1.0TB) SATA   |
| Hard Drives <sup>1</sup>          | 3.5" SAS (10K rpm): 400GB<br>3.5" Nearline SAS (7.2K rpm): 500GB, 750GB and 1.0TB<br>3.5" SAS (15K rpm): 73GB, 146GB, 300GB, and 450GB<br>3.5" SATA (7.2k rpm): 80GB, 160GB, 250GB, 500GB, 750GB and 1.0TB            |
| Network Interface Cards           | Dual embedded Broadcom Gigabit NICs<br>Optional single and dual port Intel PRO/1000 PT Gigabit adapter (copper)<br>Optional single port Intel PRO/1000 PF (fiber)<br>Optional Broadcom NetXtreme Gigabit adapter      |
| Power Supply                      | 345W non-redundant, auto-sensing  |
| Availability                      | ECC memory; optional SATA and SAS RAID solutions; tool-less chassis;<br>DRAC 4/p for accessing the system independent of the OS status  |
| Video                             | Embedded ATI ES1000 with 32MB memory  |
| Remote Management                 | Standard BMC with IPMI 1.5 support; optional DRAC 4/p for advanced capabilities   |
| System Management                 | Dell™ OpenManage™   |
| Rack Support                      | 4 post; 1U rack; tool-less chassis access   |
| Operating Systems                 | Microsoft Windows® Server 2003 R2<br>Microsoft Windows® Server 2008<br>Novell® SUSE® Linux - ES10<br>Red Hat® Linux Enterprise 4.5, 5.0, 5.2  |
| Embedded Hypervisor               | NA  |

<sup>1</sup> For hard drives, GB means 1 billion bytes and TB equals 1 trillion bytes; actual capacity varies with preloaded material and operating environment and will be less.