

# RK-5740



RAVE Computer's high performance tower, the RK-5740 provides outstanding performance, availability and value in a 2S tower server for enterprise, remote workgroups and growing businesses.



The RK-5740 features include the performance of Intel® Xeon® 5500 series processors, the availability of up to 16 hard drive discs, DDR3 memory, excellent I/O capacity and available redundant power.

The RK-5740 was developed with a purposeful design; energy optimized technology, advanced virtualization capabilities and simplified systems management.

Inspired by IT professionals, the RK-5740 is rackable as a 5U and ideal for server consolidation.

## PURPOSEFUL DESIGN

The RK-5740 takes advantage of RAVE's outstanding system commonality and reliability. Consistent component layout and purposeful placement of interface ports and power supplies enable easy installation and redeployment. The RK-5740 purposeful design provides a standard LCD screen positioned by the front of the bezel for ease of monitoring.

Robust, metal hard drive carriers and organized cabling are designed to improve component access and airflow across the server. Designed for easy rack installation, the RK-5740 offers an available, all steel, cable management arm to help eliminate creep.

## ENERGY-OPTIMIZED TECHNOLOGY

Energy efficiency is designed at the system level on the RK-5740 to help reduce power consumption while increasing performance capacity. Enhancements include enhanced power supply units, an efficient fan design and policy driven power management.

Energy Smart 90%+ efficient power supply units are provided on the RK-5740. A robust fan cage design with a single pull fan module helps improve airflow and enable fast, easy maintenance. Power Management features include power capping, power inventory and power budgeting to best manage power in your specific environment.

## ADVANCED VIRTUALIZATION

Featuring Intel® Xeon™ 5500 series processors, embedded hypervisors, expanded memory and I/O, RAVE servers offer better overall system performance and virtual machine-per-server capacity than ever before.

RAVE provides a smart path to virtualization that is grounded in choice and defined by industry standards. Choose your hypervisor from market leaders such as VMware® and Microsoft®, enabling virtualization with a few mouse clicks.

# RK-5740 Server



| Form Factor                      | RAVE Computer's RK-5740  |
|----------------------------------|--|
| Processors                       | Latest Dual-Core or Quad-Core Intel® Xeon® 5500 Series Processors  |
| Processor Sockets                | 2  |
| Front Side Bus or HyperTransport | Intel® QuickPath Interconnect (QPI)  |
| L2/L3 Cache                      | 4MB and 8MB  |
| Chipset                          | Intel 5520 Chipset   |
| Memory                           | Up to 144GB (18 DIMM slots): 1GB/2GB/4GB/8GB DDR3 800MHz or 1333MHz  |
| I/O Slots                        | 1 PCIe x16 + 4 PCIe x8 + 1 PCIe x4 (all G2)  |
| Drive Controller                 | PERC6/i or SAS 6/iR, PERC 6/E  |
| RAID Controller                  | Optional PERC 6/i integrated SAS/SATA daughtercard controller with 256MB cache, PERC 5/E adapter, PERC 6/i, and SAS 6/iR   |
| Drive Bays                       | 16 x 2.5" Hard Drive <b>Option</b> or 8x3.5" Hard Drive <b>Option</b> ;<br><b>Two media bays support optical drives and / or Tape Backup Unit</b>  |
| Maximum Internal Storage         | Up to 8 TB SATA or Near Line SAS   |
| Hard Drives                      | 2.5" SAS (10K RPM): 73GB, 146GB, 300GB<br>2.5" SAS (15K RPM) 73GB, 146GB,<br>2.5" SATA II (7.2K RPM): 80GB, 160GB, 250GB<br>2.5" Solid State Drives 25GB, 50GB<br>3.5" SATA (7.2K): 160GB, 250GB, 500GB, 750GB, 1TB<br>3.5" SATA (10K): 600GB<br>3.5" SAS (15K): 146GB, 300GB, 400GB,<br>3.5" Near-Line SAS (7.2K): 500GB, 750GB, 1TB        |
| Tape Support                     | DAT 72, RD1000, LT02-L, LT03-060, LT04-120.  |
| Network Interface Cards          | Dual embedded Broadcom® NetXtreme II™ 5709c Gigabit Ethernet NIC with failover and load balancing (4 total ports). TOE (TCP/IP Offload Engine) supported on Microsoft® Windows Server® 2003, SP1 or higher with Scalable Networking Pack; Optional 1GBe and 10GBe add-in NICs  |
| Power Supply                     | Two Hot plug redundant PSUs – 1100Watts  |
| Availability                     | DDR3, hot-plug hard drives; optional hot-plug redundant power supplies; dual embedded NICs with failover and load balancing support (4 total ports); optional PERC6/i integrated daughtercard controller with battery-backed cache; hot-plug redundant cooling; tool-less chassis; fibre and SAS cluster support; validated for Dell/EMC SAN |
| Video                            | Integrated Matrox G200   |
| Remote Management                | iDRAC6, Optional iDRAC6 Enterprise   |
| Systems Management               | Dell OpenManage  |
| Fans                             | Standard hot plug redundant cooling  |
| Rack Support                     | 4-post (Dell rack), 3rd party Versa rails, sliding rails and cable management arm  |
| Operating Systems                | Microsoft® Windows Server®<br>Novell SUSE® Linux®<br>Red Hat® Linux® Enterprise<br>Sun® Solaris™ (Future availability)   |
| Embedded Hypervisors             | Mircrosoft® Windows Server® 2008, with Hyper-V™<br>VMware® ESXi 4.0  |