IBM posts SPECpower_ssj2008 result for x3200 M2

x3200 M2 delivers competitive performance per watt for a single-socket server

August 12, 2008 ... IBM® System x^{TM} 3200 M2 server is an affordable, single-socket tower server that has been optimized to provide outstanding availability, manageability, and performance features for small to medium-sized businesses, retail stores, or distributed enterprises.

The x3200 M2 systems include features not typically seen in this class of system, such as standard, hardware-based RAID 0/1, 2.5-inch hot-swap SAS drives, and redundant power supplies (on select models). The x3200 M2 includes quad- and dual-core Intel® Xeon® processors for applications that require performance and stability.

In recent measurements made with the SPECpower_ssj2008 benchmark, the x3200 M2 server achieved a Performance to Power Ratio of 1,064 overall ssj_ops/watt. The x3200 M2 was configured with the Quad-Core Intel Xeon Processor X3360 (2.83GHz, 12MB L2 cache, and 1333 MHz front-side bus—4 cores/1 chip/4 cores per chip) and 4GB of DDR2 PC2-6400 memory and ran IBM Java^{TM} 6 Runtime Environment and Microsoft® Windows® Server 2003 R2 Enterprise x64 Edition SP1. (1)

SPECpower_ssj2008 is a SPEC benchmark that evaluates the power and performance characteristics of volume server class computers. SPEC recognizes that the IT industry, computer manufacturers, and governments are increasingly concerned with the energy use of servers. This benchmark provides a means to measure power (at the AC input) in conjunction with a performance metric. The goal is to help IT managers to consider power characteristics, along with other selection criteria, to increase the efficiency of data centers. For a complete description of the SPECpower_ssj2008 benchmark, go to the SPEC Web site at www.spec.org/power_ssj2008/.

Result referenced is current as of August 12, 2008, and has been submitted to SPEC® for review. Upon successful review, the result will be posted at www.spec.org. View all published results at www.spec.org/power_ssj2008/results/power_ssj2008.html.

(1) The x3200 M2 model using the Quad-Core Intel Xeon Processor X3360 (2.83GHz, 12MB L2 cache, and 1333 MHz FSB) is planned to be generally available September 19, 2008.

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