IBM posts SPECpower_ssj2008 score for x3250 M2

x3250 M2 delivers excellent overall ssj_ops/watt score for a single-socket server

August 12, 2008 ... IBM® has published a SPECpower_ssj2008 benchmark result for the IBM System x™ 3250 M2 server, which is a rack-optimized single-socket server with power consumption, noise reduction, and space optimizations that make it perfect for any business looking for a reliable, compact workgroup or departmental server that consumes low power, can be dedicated to a single application, and is priced right now and for the future. The x3250 M2 servers deliver Intel® Xeon® quad-core power and excellent server function.

In recent SPECpower_ssj2008™ benchmark measurements, the x3250 M2 server achieved a Performance to Power Ratio of 940 overall ssj_ops/watt.

This score demonstrates excellent performance per watt for a single-socket server. For example, the x3250 M2's score is more than 17 percent higher than the 800 overall ssj_ops/watt achieved by the Dell PowerEdge R300 with the Quad-Core Intel Xeon Processor L5410 (2.33GHz, 12MB L2 cache, and 1333 MHz front-side bus—4 cores/1 chip/4 cores per chip).

The x3350's score also beats the 908 overall ssj_ops/watt achieved by the HP ProLiant DL120 G5 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). (1)

The x3250 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™ 6 Runtime Environment and Microsoft® Windows® Server 2003 R2 Enterprise x64 Edition SP1. (2)

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 comparisons are based on the best performing 1-processor servers currently shipping by Dell and HP. Competitive benchmark results stated above reflect results published on www.spec.org as of August 12, 2008. View all published results at www.spec.org/power_ssj2008/results/.

(2) The x3250 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.