IBM System x3250 delivers competitive performance on SPEC CPU2000 and SPEC CPU2006

x3250 achieves leadership SPECfp_rate_base2006 score for a single-socket, Intel processor-based system

February 13, 2007 ... The IBM® System x™ 3250 is an attractively priced, easy-to-use, 1U rack-optimized, single-processor server for Web and network infrastructure. Perfect for space-constrained environments, the System x3250 server combines resilience and performance in a package that is easy to deploy, manage, and service. (1)

The x3250, using one Quad Core Intel® Xeon® Processor X3220 (2.4GHz, 8MB L2 cache, and 1066 MHz front-side bus—1 processor/4 cores/4 threads) demonstrated competitive performance for a single-socket Intel system on SPEC CPU2000 and SPEC CPU2006 benchmark suites. These results were achieved using Microsoft® Windows® Server 2003 Enterprise x64 Edition with SP1 (64-bit).

The scores in the following tables are the first SPEC CPU2000 and SPEC CPU2006 results published for this processor model.

SPEC CPU2000 Benchmark	x3250 – Quad-Core Intel Xeon Processor X3220 (2.4GHz, 8MB L2 Cache, 1066MHz FSB)
SPECint_base	2,540
SPECint_rate_base2000	99.12
SPECfp_base	2,504
SPECfp_rate_base2000	63.33

SPEC CPU2006 Benchmark	x3250 – Quad-Core Intel Xeon Processor X3220 (2.4GHz, 8MB L2 Cache, 1066MHz FSB)
SPECint_base2006	15.2
SPECint_rate_base2006	44.1
SPECfp_base2006	13.8
SPECfp_rate_base2006	34.1

CPU2000 was released six years ago. Since then, advances in technology and the resulting improvements in hardware and software have made it necessary to ensure that the benchmarks are also improved so that they keep pace. SPEC CPU2006 is designed to measure more technologically advanced systems; hence, these results should not be compared with CPU2000 results.

Results are current as of February 13, 2007. The scores have been submitted to SPEC for review and will be posted on their Web site upon successful completion of the review. View all published results at www.spec.org.

(1) Planned availability for the x3250 model using the Quad Core Intel Xeon Processor X3220 (2.4GHz, 8MB L2 cache, and 1066 MHz front-side bus) is February 28, 2007.