IBM posts SPEC CPU2006 scores for quad-core x3350

x3350 achieves leadership scores for a single-socket server using Intel Xeon X3370 processor

August 12, 2008 ... IBM® System x™ 3350 server is an energy-efficient, high-performance server that offers quad-core computing at a very affordable cost, and with leaner power and cooling consumption than some competitive 1U, 2-processor servers. The x3350 server is a single-processor 1U commercial application rack server that provides reliability, availability, and serviceability (RAS) features, management control, and performance aligned with the needs of most 32-bit x86 applications.

Delivering affordable availability at the right size to meet your business needs, the x3350 combines resilience and power savings in a package that is easy to deploy, manage, and service.

In measurements with the SPEC CPU2006 benchmark suite, the x3350 achieved leadership scores for a single-socket server using the Intel Xeon X3370 processor on SPECint_rate2006, SPECint_rate_base2006, SPECfp2006, SPECfp_rate2006 and SPECfp_rate_base2006, and a competitive score on the SPECint2006.

The x3350 was configured with the Quad-Core Intel Xeon Processor X3370 (3.00GHz, 12MB L2 cache, and 1333 MHz front-side bus—1 processor/4 cores/4 threads) and 8GB of DDR2 PC2-6400 memory, and ran SUSE Linux® Enterprise Server 10 SP1 x64. (1)

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

SPEC CPU2006 Benchmark	x3350 – Quad-Core Intel Xeon Processor X3370 (3.00GHz, 12MB L2 Cache, 1333 MHz FSB)
SPECint2006	26.2
SPECint_rate2006	76.5
SPECint_rate_base2006	66.3
SPECfp2006	24.3
SPECfp_rate2006	52.0
SPECfp_rate_base2006	48.0

Results are current as of August 12, 2008. 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) The x3350 model using the Quad-Core Intel Xeon Processor X3370 (3.00GHz, 12MB L2 cache, and 1333 MHz FSB) is planned to be generally available September 19, 2008.

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