

## IBM System x3655 delivers solid performance on SPEC CPU2006

*x3655 posts competitive dual-processor scores for SPECfp\_rate\_base2006*

March 6, 2007 ... The IBM® System x™ 3655 server is an attractive platform for business performance applications such as business intelligence, video on demand, IPTV and Web serving.

The IBM System x3655 is a highly manageable, 2U, rack-optimized business performance system that delivers high performance and reliability essential to meet clients' business demands. This two-socket, dual-core AMD processor-based system offers state of the art processors, large memory capacity, high memory bandwidth, and PCI-Express, PCI-X and HyperTransport™ (HTX) buses to power through core-, memory-, and I/O-intensive applications.

The x3655 with a dual-core AMD Opteron™ Model 2220 processor (2.8GHz, 1MB L2 cache per core—2 processors/4 cores/4 threads) demonstrated competitive performance for a two-socket AMD system on the SPEC CPU2006 and SPEC CPU2000 benchmark suites. These results were achieved using SUSE Linux® Enterprise Server 9 SP3.

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

<b>SPEC CPU2006 Benchmark</b>	<b>x3655 – Dual-Core AMD Opteron Model 2220 Processor (2.8GHz, 2MB L2 Cache)</b>
SPECint2006	12.5
SPECint_rate2006	47.1
SPECfp2006	13.7
SPECfp_rate2006	47.5

<b>SPEC CPU2000 Benchmark</b>	<b>x3655 – Dual-Core AMD Opteron Model 2220 Processor (2.8GHz, 2MB L2 Cache)</b>
SPECint2000	1,909
SPECint_rate2000	85.78
SPECfp2000	2,376
SPECfp_rate2000	92.30

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 March 6, 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](http://www.spec.org).

(1) Planned availability for the x3655 model using the dual-core AMD Opteron Model 2220 processor (2.8GHz, 2MB L2 cache) is April 27, 2007.

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