

IBM posts SPEC CPU2006 scores for dual-core x3650

x3650 achieves competitive scores for a 2-socket Intel processor-based system

January 31, 2008 ... IBM® System x™ 3650 servers are a part of the System x rack-optimized server line. These 2-socket servers deliver Intel® Xeon® dual- and quad-core power and excellent server function. With a compact 2U footprint, the rack-optimized System x3650 server helps save valuable rack space and resources. It is packed with highly integrated, advanced server features designed for compute-intensive, Web-based, or enterprise network applications, where space is a primary consideration.

The x3650, using two Dual-Core Intel Xeon Processor E5205 (1.86GHz, 6MB L2 cache, and 1066 MHz front-side bus—2 processors/4 cores/4 threads) and 16GB of DDR2 PC2-5300 FBD memory, demonstrated competitive performance for a 2-socket Intel system on the SPEC CPU2006 benchmark suite. These results were achieved using SUSE Linux® Enterprise Server 10 x64. (1)

The scores in the following table are the first SPEC CPU2006 results published for this x3650 processor model.

SPEC CPU2006 Benchmark	x3650 – Dual-Core Intel Xeon Processor E5205 (1.86GHz, 6MB L2 Cache, 1066 MHz FSB)
SPECint2006	16.6
SPECint_rate2006	52.0
SPECint_rate_base2006	44.4
SPECfp2006	15.6
SPECfp_rate2006	38.4
SPECfp_rate_base2006	34.9

Results are current as of January 31, 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) Planned general availability for the x3650 model using the Dual-Core Intel Xeon Processor E5205 (1.86GHz, 6MB L2 cache, and 1066 MHz FSB) is March 14, 2008.

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