IBM posts SPEC CPU2006 scores for System x3755

x3755 achieves competitive scores for a system using four AMD Opteron™ processors

February 10, 2009 ... The IBM® System x® 3755 server is optimized for reducing and managing complexity, improving business performance, building competitive advantage and driving business growth. The highly manageable, 4U, rack-optimized platform features two, three, or four quad-core, SMP-capable processors for high memory-intensive performance at an affordable price. Using IBM's CPU PassThru card this system offers unmatched flexibility, performance, and price with a 3-processor configuration.

The System x3755 system includes AMD Opteron processors, large memory capacity with Xcelerated Memory Technology, high memory bandwidth, and PCI-X, PCI Express, and HTx technology buses to power through core-, memory-, and I/O-intensive applications. The x3755 uses the new AMD quad-core 8000 Series Opteron processors and supports up to 128GB (32 x 4GB), two-way interleaved, high-speed PC5300 667 MHz (eight RDIMMs per processor) ECC DDR SDRAM RDIMM memory, featuring Xcelerated Memory Technology.

The x3755 system, configured with four quad-core AMD Opteron processors Model 8384 (2.7GHz with 2MB L2 cache and 6MB L3 cache per processor—4 processor/16 cores/16 threads), has demonstrated competitive performance on the SPEC® CPU2006 benchmark suite.

The scores in the following table are the first SPEC CPU2006 results published for the x3755 using the quad-core AMD Opteron processor Model 8384. (1) These results were achieved using SUSE Linux® Enterprise Server 10 SP2 x64.

SPEC CPU2006 Benchmark	x3755 – Quad-Core AMD Opteron Processor Model 8384 (4 x 2.7GHz)
SPECint®_rate2006	241
SPECint_rate_base2006	200
SPECfp®2006	22.3
SPECfp_rate2006	204
SPECfp_rate_base2006	183

Results are current as of February 10, 2009. 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 IBM System x3755 using the quad-core AMD Opteron processor Model 8384 is March 6, 2009.