

IBM posts SPEC CPU2006 scores for System x3755

IBM System x™ 3755 achieves competitive scores for a system using four AMD Opteron™ processors

May 20, 2008 ... The IBM® System x3755 server is optimized for general business applications. The highly manageable, 4U, rack-optimized platform features up to four quad-core, SMP-capable processors for high memory-intensive performance at an affordable price. Flexible configurations with the IBM CPU Pass Thru card offer entry pricing and the ability to add redundant features as needed.

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 8360 SE (2.5GHz with 2MB L2 cache and 2MB 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 8360 SE. (1) These results were achieved using SUSE Linux® Enterprise Server 10 SP1 x64.

| SPEC CPU2006 Benchmark | x3755 – Quad-Core AMD Opteron Processor Model 8360 SE (2.5GHz, 2MB L2 Cache, 2MB L3 Cache) |
|-------------------------------|---|
| SPECint2006 | 14.2 |
| SPECint_rate2006 | 192 |
| SPECint_rate_base2006 | 166 |
| SPECfp2006 | 14.3 |
| SPECfp_rate2006 | 165 |
| SPECfp_rate_base2006 | 151 |

Results are current as of May 20, 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 availability for the IBM System x3755 using the Quad-Core AMD Opteron processor Model 8360 SE is July 7, 2008.

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