

IBM posts SPEC CPU2006 scores for new System x3450

x3450 achieves competitive scores for a 2-socket Intel processor-based system

March 11, 2008 ... IBM® System x™ 3450 servers are a new addition to the System x rack-optimized server line. These 2-socket servers deliver Intel® Xeon® dual- and quad-core power and excellent server function. (1) This highly manageable 1 U high, rack-optimized server features ultimate application density for power-managed data centers.

The System x3450 systems are self-contained, high-performance, 1 U rack systems designed for high performance computing applications. These servers are highly scalable in configuration and performance, and are flexible rack models that deliver the best blend of power, manageability, expandability, and serviceability. They meet the requirements of server applications in the high performance computing space that require maximum available performance and large memory addressability. These servers fit into business environments where rack configurations are required.

The x3450, configured with the Quad-Core Intel Xeon Processor E5472 (3.0GHz, 12MB L2 cache, and 1600 MHz front-side bus—2 processors/8 cores/8 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 SP1 x64. (1)

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

SPEC CPU2006 Benchmark	x3450 – Quad-Core Intel Xeon Processor E5472 (3.0GHz, 12MB L2 Cache, 1600 MHz FSB)
SPECint2006	26.5
SPECint_rate2006	139
SPECint_rate_base2006	114
SPECfp2006	23.4
SPECfp_rate2006	84.8
SPECfp_rate_base2006	75.3

Results are current as of March 11, 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 x3450 model using the Quad-Core Intel Xeon Processor E5472 (3.0GHz, 12MB L2 cache, and 1600 MHz FSB) is May 22, 2008.

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