

IBM posts SPEC CPU2006 scores for System x3450

x3450 achieves leadership scores for a 2-socket server using the Quad-Core Intel Xeon Processor X5482

September 9, 2008 ... The IBM® System x™ 3450 systems are 2-socket, 1U rack servers for High Performance Computing (HPC). The x3450 is designed with fewer general-purpose features for quicker response to data calculations at a lower cost per transaction. Optimized for the HPC market, these servers offer large memory addressability via 16 DIMM slots, Intel Xeon 1600 MHz front-side bus processors, a dual Gigabit Ethernet controller, one PCIe Gen 2 slot and support for fixed SATA HDDs.

In measurements with the SPEC CPU2006 benchmark suite, the x3450 achieved leadership scores for a 2-socket server using the Quad-Core Intel® Xeon® X5482 processor.

The x3450 was configured with the Quad-Core Intel Xeon Processor X5482 (3.2GHz, 12MB L2 cache, and 1600 MHz front-side bus—2 processor/8 cores/8 threads) and 16GB of DDR2 PC2-5300 memory, and ran 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 X5482 (3.2GHz, 12MB L2 Cache, 1600 MHz FSB)
SPECint2006	29.0
SPECint_rate2006	151
SPECint_rate_base2006	140
SPECfp2006	26.9
SPECfp_rate2006	91.2
SPECfp_rate_base2006	83.7

Results are current as of September 9, 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) The IBM System x3450 model using the Quad-Core Intel Xeon Processor X5482 (3.2GHz, 12MB L2 cache, and 1600 MHz FSB) is planned to be generally available November 28, 2008.

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