IBM posts SPEC CPU2006 scores for quad-core x3500

x3500 achieves competitive scores for a 2-socket Intel processor-based system

October 14, 2008 ... IBM® System x^{TM} 3500 servers are are self-contained, high-performance, 5U tower (optional rack-mounted) systems designed for Web and business server applications in remote or distributed environments. These 2-socket servers deliver Intel® Xeon® dual- and quad-core power and excellent server function.

The x3500 servers are highly scalable in configuration, performance, and availability. They offer two-way SMP processing, a dual-channel eight port SAS/SATA controller, with embedded dual Gigabit Ethernet controllers, and six PCI slots. These servers will support SATA or SAS HDDs.

The x3500 has demonstrated competitive performance for a 2-socket using the Quad-Core Intel Xeon Processor X5460 on the SPEC CPU2006 benchmark suite.

The x3500 was configured with the Quad-Core Intel Xeon Processor X5460 (3.16GHz, 12MB L2 cache, and 1333 MHz front-side bus—2 processors/8 cores/8 threads) and 16GB of DDR2 PC2-5300 FBD memory, and ran SUSE Linux® Enterprise Server 10 x64 SP1. (1)

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

SPEC CPU2006 Benchmark	x3500 – Quad-Core Intel Xeon Processor X5460 (3.16GHz, 12MB L2 Cache, 1333 MHz FSB)
SPECint2006	28.9
SPECint_rate2006	143
SPECint_rate_base2006	133
SPECfp2006	25.4
SPECfp_rate2006	79.6
SPECfp_rate_base2006	73.1

Results are current as of October 14, 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 x3500 model using the Quad-Core Intel Xeon Processor X5460 (3.165GHz, 12MB L2 cache, and 1333 MHz FSB) is planned to be generally available November 28, 2008.