IBM posts leadership SPEC CPU2006 scores for dual-core x3400

x3400 achieves leadership scores for a 2-socket server using Intel® Xeon® Processor E5205

October 14, 2008 ... IBM® System x™ 3400 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-core power and excellent server function.

The x3400 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 x3400 has demonstrated leadership performance scores on SPECint2006, SPECint_rate2006, SPECfp2006, SPECfp_rate2006, and SPECfp_rate_base2006. These scores demonstrate leadership performance for a 2-socket using the Dual-Core Intel Xeon Processor E5205 on the SPEC CPU2006 benchmark suite. The SPECint_rate_base2006 score is competitive.

The x3400 was configured with the Dual-Core Intel Xeon Processor E5205 (1.86GHz, 6MB L2 cache, and 1066 MHz front-side bus—2 processors/4 cores/4 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	x3400 – Dual-Core Intel Xeon Processor E5205 (1.86GHz, 6MB L2 Cache, 1066 MHz FSB)
SPECint2006	17.6
SPECint_rate2006	56.4
SPECint_rate_base2006	52.6
SPECfp2006	16.8
SPECfp_rate2006	40.2
SPECfp_rate_base2006	38.2

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 x3400 model using the Dual-Core Intel Xeon Processor E5205 (1.86GHz, 6MB L2 cache, and 1066 MHz FSB) is planned to be generally available November 28, 2008.