IBM posts SPEC CPU2006 scores for x3550 M3

x3550 M3 delivers competitive processor performance for compute-intensive applications

March 16, 2010 ... IBM® today announces SPEC® CPU2006 benchmark scores for the IBM System x® 3550 M3 server using the new Intel® Xeon® Processor 5600 Series.

Configured with the Intel Xeon Processor X5680, the x3550 M3 delivered competitive scores on the SPEC CPU2006 benchmark suite. The x3550 M3 was configured with two Intel Xeon X5680 processors (3.33GHz, 256KB L2 cache per core and 12MB L3 cache per processor—2 processors/12 cores/24 threads), 48GB of DDR3 PC3-10600R memory, and SUSE Linux® Enterprise Server 11 x64. (1)

Configured with the Intel Xeon Processor X5677, the x3550 M3 delivered competitive scores on the SPEC CPU2006 benchmark suite. The x3550 M3 was configured with two Intel Xeon X5677 processors (3.46GHz, 256KB L2 cache per core and 12MB L3 cache per processor—2 processors/8 cores/16 threads), 24GB of DDR3 PC3-10600R memory, and SUSE Linux Enterprise Server 11 x64. (2)

The scores in the following table are the first SPEC CPU2006 results published for these x3550 M3 processor models.

SPEC CPU2006 Benchmark	IBM System x3550 M3 Six-Core Intel Xeon Processor X5680 – 3.33GHz	IBM System x3550 M3 Quad-Core Intel Xeon Processor X5677 – 3.46GHz
SPECint®2006	41.9	43.2
SPECint_base2006	38.9	40.0
SPECint_rate2006	377	297
SPECint_rate_base2006	353	282
SPECfp®2006	48.0	48.4
SPECfp_base2006	45.1	45.4
SPECfp_rate2006	255	218
SPECfp_rate_base2006	247	211

The IBM System x3550 M3 is a 2-socket, 1U rack server that features power-optimized, high-performance with the latest Intel Xeon 5500 and 5600 Series multi-core processor technology and QuickPath Interconnect (QPI). An energy-efficient design with integrated advanced functionality makes the x3550 M3 ideal for single or multiple business-critical applications hosting and virtualized, non-blade environments.

Results are current as of March 16, 2010. 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 http://www.spec.org/cpu2006/results/.

(1) The x3550 M3 model using the Intel Xeon X5680 processor is planned to be generally available March 31, 2010. The x3550 M3 as configured for this benchmark will be available March 31, 2010.

(2) The x3550 M3 model using the Quad-Core Intel Xeon X5677 processor is planned to be generally available March 31, 2010. The x3550 M3 as configured for this benchmark will be available March 31, 2010.