IBM posts SPEC CPU2006 scores for x3620 M3 server

x3620 M3 delivers competitive performance for compute-intensive applications

May 18, 2010 ... IBM® today announces SPEC® CPU2006 benchmark scores for the new IBM System x® 3620 M3 server using the new Intel® Xeon® Processor 5600 Series.

Configured with the Intel Xeon Processor X5670, the x3620 M3 delivered competitive scores on the SPEC CPU2006 benchmark suite. The x3620 M3 was configured with two Intel Xeon X5670 processors (2.93GHz, 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)

The scores in the following table are the first SPEC CPU2006 results published for this x3620 M3 processor model.

SPEC CPU2006 Benchmark	IBM System x3620 M3 Six-Core Intel Xeon Processor X5670 – 2.93GHz
SPECint®2006	39.3
SPECint_base2006	36.5
SPECint_rate2006	356
SPECint_rate_base2006	334
SPECfp®2006	45.4
SPECfp_base2006	42.9
SPECfp_rate2006	246
SPECfp_rate_base2006	237

The new System x3620 M3 servers deliver Intel Xeon multicore power and excellent server functionality in a 2-socket, ultrathin, rack-optimized, 2U footprint. These server models offer new levels of fast Intel Xeon multicore processors with up to 6.4 GT/s and lower power for datacenter environments and collaboration applications. These servers are uniquely optimized for better application computing with a highly functional chipset and 12 DIMM slots for a maximum of 96GB of fully buffered DDR3 SDRAM Registered DIMM memory. The x3620 M3 is suitable for mid-market and SMB rack clients looking to optimize their IT budgets, and is designed for single or multiple general business application hosting and virtualized, non-blade environments.

Results are current as of May 18, 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 x3620 M3 model using the Intel Xeon X5670 processor is planned to be generally available June 8, 2010. The x3620 M3 as configured for this benchmark will be available June 8, 2010.

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