

IBM posts SPEC CPU2006 scores for x3630 M3 server

x3630 M3 delivers competitive performance for compute-intensive applications

February 15, 2011 ... IBM® today announces SPEC® CPU2006 benchmark scores for the IBM System x® 3630 M3 server using the Intel® Xeon® Processor X5675 and the Intel Xeon Processor X5672.

The x3630 M3 delivered competitive scores on the SPEC CPU2006 benchmark suite. The x3630 M3 used the Intel Xeon Processor X5675 (3.06GHz, 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 Service Pack 1 x64. (1)

The x3630 M3 delivered competitive scores on the SPEC CPU2006 benchmark suite. The x3630 M3 used the Intel Xeon Processor X5672 (3.20GHz, 256KB L2 cache per core and 12MB L3 cache per processor—2 processors/8 cores/16 threads), 48GB of DDR3 PC3-10600R memory, and SUSE Linux Enterprise Server 11 Service Pack 1 x64. (1)

The scores in the following table are the first SPEC CPU2006 results published for these x3630 M3 processor models.

SPEC CPU2006 Benchmark	Six-Core Intel Xeon Processor X5675 – 3.06GHz	Quad-Core Intel Xeon Processor X5672 – 3.20GHz
SPECint@2006	42.1	44.2
SPECint_base2006	39.4	41.3
SPECint_rate2006	389	308
SPECint_rate_base2006	365	291
SPECfp@2006	61.4	62.8
SPECfp_base2006	57.3	57.7
SPECfp_rate2006	262	229
SPECfp_rate_base2006	255	222

The IBM System x3630 M3 server models offer new levels of performance with fast Intel Xeon multi-core processors with up to 6.4 GT/s and lower power for datacenter environments and collaboration applications. This server is uniquely optimized for better application computing with a highly functional chipset and 12 DIMM slots for a maximum of 192GB of ECC DDR3 SDRAM. The IBM System x3630 M3 is a 2U, dual-socket rack server designed for single or multiple general-business application hosting and virtualized non-blade environments.

Results are current as of February 15, 2011. 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 x3630 M3 models using the Intel Xeon Processor X5675 and the Intel Xeon Processor X5672 are planned to be generally available March 15, 2011. The x3630 M3 as configured for this benchmark will be available March 15, 2011.

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