

IBM posts SPEC CPU2006 scores for System x iDataPlex dx360 M3

dx360 M3 demonstrates excellent performance for compute-intensive applications

February 15, 2011 ... IBM® today announces SPEC® CPU2006 benchmark scores for the IBM System x® iDataPlex™ dx360 M3 server using the six-core Intel® Xeon® Processor X5675 and the quad-core Intel Xeon Processor X5672.

The dx360 M3 delivered competitive scores using two Intel Xeon X5675 processors (3.06GHz, 256KB L2 cache per core and 12MB L3 cache per processor—2 processors/12 cores/24 threads), 96GB of DDR3 PC3-10600R memory, and SUSE Linux® Enterprise Server 11 SP1 x64. (1)

The dx360 M3 delivered competitive scores using two Intel Xeon X5672 processors (3.20 GHz, 256KB L2 cache per core and 12MB L3 cache per processor—2 processors/8 cores/16 threads), 48GB of DDR3 PC3L-10600R memory, and SUSE Linux Enterprise Server 11 SP1 x64. (1)

The scores in the following table are the first SPEC CPU2006 results published for these dx360 M3 processor models.

SPEC CPU2006 Benchmark	Six-Core Intel Xeon Processor X5675 – 3.06GHz
SPECint@2006	42.7
SPECint_base2006	40.4
SPECint_rate2006	392
SPECint_rate_base2006	364
SPECfp@2006	61.4
SPECfp_base2006	57.2

SPEC CPU2006 Benchmark	Quad-Core Intel Xeon Processor X5672 – 3.20GHz
SPECint2006	44.2
SPECint_base2006	41.4
SPECint_rate2006	305
SPECint_rate_base2006	289
SPECfp2006	61.1
SPECfp_base2006	57.7
SPECfp_rate2006	228
SPECfp_rate_base2006	220

IBM System x iDataPlex is an innovative data center solution for users of High Performance Computing (HPC) clusters, grid deployment, and large-scale Cloud Computing who want to reduce power, cooling, or physical space. It represents a new approach for maximum useable density in the data center through innovation at the server level, at the rack level, and at the data center level.

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 dx360 M3 models with the Intel Xeon Processor X5675 and the Intel Xeon Processor X5672 are planned to be generally available March 15, 2011. The dx360 M3 as configured for this benchmark will be available March 15, 2011.

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