

IBM posts SPEC CPU2006 scores for System x iDataPlex dx360 M3

dx360 M3 demonstrates excellent performance for compute-intensive applications

March 16, 2010 ... IBM® today announces SPEC® CPU2006 benchmark scores for the IBM System x® iDataPlex™ dx360 M3 server using the new Intel® Xeon® Processor 5600 Series.

Configured with the Intel Xeon Processor X5670, the dx360 M3 delivered competitive scores on the SPEC CPU2006 benchmark suite. The dx360 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 PC3L-10600R memory, and SUSE Linux® Enterprise Server 11 x64. (1)

Configured with the Intel Xeon Processor X5667, the dx360 M3 delivered competitive scores on the SPEC CPU2006 benchmark suite. The dx360 M3 was configured with two Intel Xeon X5667 processors (3.06GHz, 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 x64. (2)

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

SPEC CPU2006 Benchmark	IBM System x iDataPlex dx360 M3 Six-Core Intel Xeon Processor X5670 – 2.93GHz	IBM System x iDataPlex dx360 M3 Quad-Core Intel Xeon Processor X5667 – 3.06GHz
SPECint@2006	39.3	40.6
SPECint_base2006	36.5	37.5
SPECint_rate2006	355	285
SPECint_rate_base2006	332	269
SPECfp@2006	45.2	46.2
SPECfp_base2006	42.5	43.2
SPECfp_rate2006	244	212
SPECfp_rate_base2006	236	205

IBM System x iDataPlex is the next-generation computing solution for clients who find limitations in their scale-out computing environments. IBM delivers customized solutions that help reduce overall data center costs and address the business-growth challenges in the massive scale-out marketplace. iDataPlex incorporates innovative server designs that integrate Intel processor-based technology at the node, rack and data center levels with efficiency in mind.

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 dx360 M3 model using the Intel Xeon X5670 six-core processor is planned to be generally available March 31, 2010. The dx360 M3 as configured for this benchmark will be available March 31, 2010.

(2) The dx360 M3 model using the Intel Xeon X5667 quad-core processor is planned to be generally available May 14, 2010. The dx360 M3 as configured for this benchmark will be available May 14, 2010.

IBM, System x, and iDataPlex are trademarks or registered trademarks of IBM Corporation.

Intel and Xeon are trademarks or registered trademarks of Intel Corporation.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

SPEC, SPECfp, and SPECint are registered trademarks of the Standard Performance Evaluation Corporation (see <http://www.spec.org/spec/trademarks.html> for all SPEC trademarks and service marks).

All other company/product names and service marks may be trademarks or registered trademarks of their respective companies.