IBM posts SPEC CPU2006 scores for quad-core dx360 M2

IBM® System x® iDataPlex™ dx360 M2 achieves competitive scores for a system using two Quad-Core Intel® Xeon® X5570 processors

March 30, 2009 ... IBM System x takes a new approach to solving data center challenges through its latest innovation, iDataPlex—a flexible and power-efficient design that enables massive scale-out deployments with affordable and customized value. System x iDataPlex is an innovative data center solution for Web 2.0, High Performance Computing (HPC) clusters, and corporate batch-processing clients who want to reduce power, cooling, or physical space. It represents a new approach for useable density through innovation at the node level, at the rack level, and at the data center level.

In recent measurements, the dx360 M2 demonstrated competitive performance for a 2-socket Intel processor-based system on the SPEC CPU2006 benchmark suite.

For the SPECint2006 and SPECfp2006 runs, the dx360 M2 was configured with two Quad-Core Intel Xeon X5570 processors (2.93GHz, 256KB L2 cache per core and 8MB L3 cache per processor—2 processors/8 cores/16 threads), 12GB of DDR3 PC3-10600R memory, and SUSE Linux® Enterprise Server 10 x64 SP2.

For the rate runs, the dx360 M2 was configured with two Quad-Core Intel Xeon X5570 processors (2.93GHz, 256KB L2 cache per core and 8MB L3 cache per processor—2 processors/8 cores/16 threads), 24GB of DDR3 PC3-10600R memory, and Red Hat Enterprise Linux Server 5 Update 3. (1)

The scores in the following table are the first SPEC CPU2006 results published for this dx360 M2 processor model.

SPEC CPU2006 Benchmark	dx360 M2 – Quad-Core Intel Xeon Processor X5570 (2 x 2.93GHz, 256KB L2 Cache per Core, 8MB L3 Cache per Processor)
SPECint®2006	35.2
SPECint_rate2006	251
SPECint_rate_base2006	235
SPECfp®2006	40.2
SPECfp_rate2006	195
SPECfp_rate_base2006	190

Results are current as of March 30, 2009. 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 www.spec.org.

(1) The dx360 M2 model using the Quad-Core Intel Xeon X5570 processor is planned to be generally available April 3, 2009.