IBM posts leadership SPECpower score for dx360 M3

dx360 M3 demonstrates superior power efficiency with leadership performance per watt

May 18, 2010 ... IBM® today announces a leadership SPECpower® benchmark result for the IBM System x® iDataPlex™ dx360 M3 server. Demonstrating exceptional performance per watt, the dx360 M3 server achieved a Performance to Power Ratio of 3,159 overall ssj_ops/watt on the SPECpower_ssj™2008 benchmark. This result is the highest SPECpower_ssj2008 score published to date.

Using the Intel® Xeon® Processor L5640 (60W) and the new High Efficiency 550W Power Supply, the dx360 M3 has demonstrated that it can deliver outstanding performance and reduce energy consumption in the data center. (1)

The dx360 M3 was configured with the Intel® Xeon® Processor L5640 (2.26GHz with 256KB L2 cache per core and 12MB L3 cache per processor—2 chips/12 cores/6 cores per chip), 12GB of memory, one 50GB solid state drive, and IBM J9 Java 6 (using a 1500MB heap), and Microsoft® Windows® Server 2008 R2 Datacenter Edition. (2)

The iDataPlex dx360 M3 now offers power-supply flexibility with the option of adding a 550W non-redundant supply for lower-power grid deployments. Clients can deploy the right-sized supply on a per chassis basis, and choose redundant power where it's required.

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.

Result referenced is current as of May 18, 2010, and has been submitted to SPEC® for review. Upon successful review, the result will be posted at www.spec.org. View all published results at www.spec.org/power_ssj2008/results/power_ssj2008.html.

(2) The High Efficiency 550W Power Supply (option part number 49Y6802) is planned to be generally available August 4, 2010.

(2) The dx360 M3 model using the Intel Xeon L5640 processor is planned to be generally available July 2, 2010. The dx360 M3 as configured for this benchmark will be available August 4, 2010.