

IBM posts SPEC CPU2006 scores for single-socket x3100 M4

x3100 M4 delivers leadership performance for a server using Intel Xeon E3-1280 processor

September 13, 2011 ... The IBM System x® 3100 M4 is a single-socket tower server that uses Intel's latest quad-core processor technology, the Intel® Xeon® E3-1200 series. Competitively priced in a compact tower, the x3100 M4 is designed for small businesses and first-time server buyers looking for a solution to improve business efficiency.

In recent measurements with the SPEC® CPU2006 benchmark suite, the x3100 M4 delivered outstanding performance for a single-socket server using the Intel Xeon E3-1280 processor. The SPECint2006, SPECint_base2006, SPECint_rate2006, SPECint_rate_base2006 and SPECfp2006 scores are leadership for a server using one Intel Xeon E3-1280 processor. The SPECfp_rate2006, SPECfp_base2006 and SPECfp_rate_base2006 scores are competitive for this processor.

The x3100 M4 was configured with the Intel Xeon E3-1280 processor (3.5GHz, 8MB L3 cache per processor—1 processor/4 cores/2 threads), 8GB of memory, and Red Hat ® Enterprise Linux 6 x64 SP1. (1)

The scores in the following table are the first SPEC CPU2006 results published for the x3100 M4 using this processor.

SPEC CPU2006 Benchmark	Quad-Core Intel Xeon E3-1280 (3.5GHz, 8MB L3 Cache)
SPECint®2006	54.3
SPECint_base2006	51.1
SPECint_rate2006	178
SPECint_rate_base2006	172
SPECfp®2006	64.7
SPECfp_base2006	62.7
SPECfp_rate2006	122
SPECfp_rate_base2006	118

Results are current as of September 13, 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 x3100 M4 is planned to be generally available October 28, 2011.

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