IBM posts SPEC CPU2000 scores for new models of xSeries 206m server

January 24, 2006 ... IBM® has announced new models of the single-processor IBM eServer™ xSeries® 206m server that use the latest Intel® Pentium® D and Pentium 4 processors with Extended Memory 64 Technology (EM64T). These new models have demonstrated solid performance on SPEC CPU2000, which comprises the SPEC CINT2000 and SPEC CFP2000 benchmark suites.

The single-processor, dual-core x206m models use the:

- Intel Pentium D model 920 at 2.8GHz with 800MHz front-side bus (FSB) and 2x2MB L2 cache
- Intel Pentium D model 930 at 3.0GHz with 800MHz front-side bus (FSB) and 2x2MB L2 cache
- Intel Pentium D model 940 at 3.2GHz with 800MHz front-side bus (FSB) and 2x2MB L2 cache

The x206m single-processor, single-core models use the:

- Intel Pentium 4 model 521 at 2.8GHz with 800MHz FSB and 1MB L2 cache
- Intel Pentium 4 model 631 at 3.0GHz with 800MHz FSB and 2MB L2 cache

The scores in the following table are the first SPEC CPU2000 results published for these processor models.

Benchmark	x206m Pentium D 920	x206m Pentium D 930	x206m Pentium D 940	x206m Pentium 4 631	x206m Pentium 4 521
SPECint	1,422	1,516	1,606	1,513	1,334
SPECint_rate2000	32.09	34.29	36.2	19.43	16.67
SPECfp	1,681	1,783	1,855	1,769	1,593
SPECfp_rate2000	32.52	34.44	34.75	20.58	18.5

All these results were achieved using Microsoft® Windows® Server 2003.

Results are current as of January 24, 2006. 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 results at www.spec.org.

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