

IBM posts SPEC CPU2000 scores for new xSeries 206m server

October 4, 2005 ... IBM® has announced new models of the single-socket 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-socket, dual-core x206m uses the Intel Pentium D model 820 at 2.8GHz with 800MHz front-side bus (FSB) and 1MB L2 cache per core. The x206m single-socket, single-core models use the:

- Intel Pentium 4 model 531 at 3.0GHz with 800MHz FSB and 1MB L2 cache
- Intel Pentium 4 model 630 at 3.0GHz with 800MHz FSB and 2MB L2 cache
- Intel Pentium 4 model 640 at 3.2GHz with 800MHz FSB and 2MB L2 cache
- Intel Pentium 4 model 650 at 3.4GHz 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 820	x206m Pentium 4 531	x206m Pentium 4 630	x206m Pentium 4 640	x206m Pentium 4 650
SPECint	1,330	1,413	1,499	1,593	1,682
SPECint_rate2000	29.38	17.67	19.3	20.43	21.63
SPECfp	1,596	1,679	1,773	1,868	1,947
SPECfp_rate2000	29.79	19.45	20.55	21.64	22.45

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

Results are current as of October 4, 2005. 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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