IBM posts SPEC CPU2000 scores for new low-voltage HS20 blade models

March 14, 2006 ... IBM® has announced new IBM BladeCenter® HS20 blade servers that use the low-voltage (LV) Dual Core Intel® Xeon™ Processor LV at 1.67GHz and 2.0GHz each with 2MB L2 cache per core. The Intel Xeon Processor LV delivers the high performance of similar processors but with much less power consumption than standard Intel Xeon processors (31W versus 105W each for Xeon or 55W for Xeon LV). The ultra-low-power versions of the HS20 will deliver improved performance per watt for customers deploying a 32-bit solution.

These new HS20 blade server models have demonstrated solid performance on SPEC CPU2000, which comprises the SPEC CINT2000 and SPEC CFP2000 benchmark suites. Scores achieved with these two HS20 blade models are summarized in the following table.

Benchmark	HS20 1.67GHz/2MB Scores	HS20 2.0GHz/2MB Scores
SPECint	1,422	1,668
SPECint_rate2000 (2 Processors)	51.2	57.9
SPECfp	1,246	1,397
SPECfp_rate2000 (2 Processors)	29.7	30.9

The scores for these HS20 blades are the first SPEC CPU2000 results published for these processor-speed models.

The HS20 blade achieved these scores using Microsoft Windows Server 2003.

Results are current as of March 14, 2006. Planned availability for these HS20 models is March 31, 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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