

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

February 8, 2006 ... IBM® has announced new IBM BladeCenter® HS20 blade servers that use low-voltage (LV) Intel® Xeon™ processors with Extended Memory 64 Technology (EM64T) now available at 3.0GHz with a 2MB L2 cache and 2.8GHz with 1MB L2 cache. LV Xeon processors deliver the high performance of similar processors but with up to 40 to 50% less power consumption than standard Intel Xeon processors (55W versus 110W).

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 3.0GHz/2MB Scores	HS20 2.8GHz/1MB Scores
SPECint	1,481	1,288
SPECint_rate2000 (2 Processors)	34.55	27.96
SPECfp	1,648	1,446
SPECfp_rate2000 (2 Processors)	28.2	24.62

The scores for HS20 using the 3.0GHz/2MB Intel Xeon processor are the first SPEC CPU2000 results published for this processor-speed model.

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

Results are current as of February 8, 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](http://www.spec.org).

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