

IBM posts SPEC CPU2000 and CPU2006 scores for quad-core BladeCenter HS21 XM blade

February 13, 2007 ... IBM® BladeCenter® HS21 extended memory (HS21 XM) blade servers, coupled with the BladeCenter chassis, deliver advanced application serving with performance, density, and scalability ideal for enterprise environments. The IBM BladeCenter and BladeCenter HS21 offerings combine high-density design points with high performance and advanced server functions. These dense products can double the processing power within a rack space over 1 U thin servers with rich systems management and control.

The HS21 XM blade server has demonstrated competitive performance on SPEC CPU2000 and SPEC CPU2006 benchmark suites. These results were achieved using Microsoft® Windows® Server 2003 (32-bit).

The scores in the following tables are the first SPEC CPU2000 and SPEC CPU2006 results published for the HS21 XM blade models using the Quad-Core Intel® Xeon® Processor E5345 (2.33GHz, 8MB L2 cache, 1333MHz FSB).

SPEC CPU2000 Benchmark	HS21 XM – Quad-Core Intel Xeon Processor E5345 (2.33GHz, 8MB L2 Cache, 1333MHz FSB)
SPECint_base	2,375
SPECint_rate_base2000	178.28
SPECfp_base	2,193
SPECfp_rate_base2000	95.57

SPEC CPU2006 Benchmark	HS21 XM – Quad-Core Intel Xeon Processor E5345 (2.33GHz, 8MB L2 Cache, 1333MHz FSB)
SPECint_base2006	13.83
SPECint_rate_base2006	73.15
SPECfp_base2006	11.84
SPECfp_rate_base2006	51.67

CPU2000 was released six years ago. Since then, advances in technology and the resulting improvements in hardware and software have made it necessary to ensure that the benchmarks are also improved so that they keep pace. SPEC CPU2006 is designed to measure more technologically advanced systems; hence, these results should not be compared with CPU2000 results.

Results are current as of February 13, 2007. 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 www.spec.org.

(1) Planned availability in the United States for the HS21 XM models using the Quad-Core Intel Xeon Processor E5345 is February 28, 2007.

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