IBM posts SPEC CPU2000 scores for HS20 blade server

May 31, 2005 ... The IBM® @server® BladeCenter® HS20 is a 2-way blade server that includes Intel® Xeon™ processors with Extended Memory 64 Technology (EM64T) at 3.6GHz, 3.4GHz, and 3.2GHz/800 MHz with a 2MB L2 cache. The HS20 has demonstrated competitive performance on SPEC CPU2000, which comprises the SPEC CFP2000 and SPEC CINT2000 benchmark suites.

- HS20 with 3.6GHz processor

The HS20 blade delivered competitive results on SPEC CINT2000 and SPEC CFP2000. On SPEC CINT2000, the HS20 blade achieved a 2-way SPECint_rate2000 peak score of 40.61 and a SPECint2000 peak score of 1,701. The HS20 also achieved a SPECint_rate2000 score of 21.74 using a single processor.

On SPEC CFP2000, the HS20 blade achieved a 2-way SPECfp_rate2000 peak score of 31.39 and a SPECfp2000 peak score of 1,777. The HS20 also achieved a SPECfp_rate2000 score of 20.52 using a single processor.

- HS20 with 3.4GHz processor

The HS20 blade delivered competitive results on SPEC CINT2000 and SPEC CFP2000. On SPEC CINT2000, the 2-way HS20 blade achieved a SPECint_rate2000 peak score of 38.95 and a SPECint2000 peak score of 1,615. The HS20 also achieved a SPECint_rate2000 score of 20.69 using a single processor.

On SPEC CFP2000, the HS20 blade achieved a 2-way SPECfp_rate2000 peak score of 30.72 and a SPECfp2000 peak score of 1,711. The HS20 also achieved a SPECfp_rate2000 score of 19.82 using a single processor.

- HS20 with 3.2GHz processor

On SPEC CINT2000, the 2-way HS20 blade achieved a SPECint_rate2000 peak score of 37.11 and a SPECint2000 peak score of 1,531. The HS20 also achieved a SPECint_rate2000 score of 19.56 using a single processor.

On SPEC CFP2000, the HS20 blade achieved a 2-way SPECfp_rate2000 peak score of 30.01 and a SPECfp2000 peak score of 1,642. The HS20 also achieved a SPECfp_rate2000 score of 19.03 using a single processor.

The HS20 blade achieved these results using Microsoft® Windows® Server 2003.

Results are current as of May 31, 2005. View all results at www.spec.org.