

## **IBM posts leadership SPEC CPU2000 scores for new blade server**

May 6, 2005 ... The AMD Opteron LS20 for IBM® eServer® BladeCenter® is a 2-way blade server that features AMD Opteron 32- and 64-bit processors running at speeds of 2.0GHz, 2.4GHz and 2.6GHz single core and 2.0GHz dual-core all with 1MB L2 cache per core.

The LS20, configured with the AMD Opteron 2.6GHz processor with 1MB L2 cache, has demonstrated excellent performance on SPEC CPU2000, which comprises the SPEC CFP2000 and SPEC CINT2000 benchmark suites.

The LS20 blade has posted the best SPECfp\_rate 2000 performance score for a 2-way x86 server. On SPEC CFP2000, the LS20 blade achieved a SPECfp\_rate2000 peak score of 46.5 and a SPECfp2000 peak score of 2,016.

The LS20 blade also delivered the best SPECint\_rate2000 performance score for a 2-way x86 server. On SPEC CINT2000, the LS20 blade achieved a SPECint\_rate2000 peak score of 40.7 and a SPECint2000 peak score of 1,753.

The LS20 blade achieved these results using the AMD Opteron 2.6GHz processor and running 64-bit SUSE Linux Enterprise Server 9.

### **About the AMD Opteron LS20**

The AMD Opteron LS20 for IBM eServer BladeCenter blade servers include Low Power AMD Opteron 32- and 64-bit processors running at speeds of 2.0GHz, 2.4GHz and 2.6GHz single core and 2.0GHz dual-core, all with 1MB L2 cache per core. These processors offer full performance at a lower power cost. For customers concerned with power consumption and heat output, these low-power processors can help reduce the operational cost in deploying new IT gear.

The LS20 allows customers to run up to 14 dual processor blades inside the 7U BladeCenter. The new blades support operating systems from Red Hat, SUSE LINUX and Microsoft® running in both 32- and 64-bit mode. The LS20 is fully supported inside the BladeCenter ecosystem of integrated switching components and management.

Results are current as of May 6, 2005. The LS20 blade's scores have been submitted to SPEC for review and will be posted on their Web site upon successful completion of the review. For all SPEC CPU2000 benchmark results, visit [www.spec.org](http://www.spec.org).

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