

## **AMD Opteron LS21 for IBM BladeCenter delivers leadership result on SPECweb2005 benchmark**

August 15, 2006 ... The AMD Opteron™ LS21 for IBM® BladeCenter® is an enterprise-class, two-socket blade optimized for performance computing. The LS21 is ideal for financial services, scientific, high-performance computing, and database applications. The LS21 features the dual-core AMD Opteron 2000 series processors at speeds up to 2.6GHz with 1MB L2 cache per core with 1 GHz HyperTransport processor link. (1)

The BladeCenter chassis and the AMD Opteron LS21 for IBM BladeCenter combine extremely high-density design points with high performance and advanced server functions. These dense products can double the processing power within a 7U rack space over 1U thin servers with rich systems management and control.

The LS21 is available with either standard- or low-power, full-performance Opteron processors. The standard AMD Opteron processors draw a maximum of 95 W. Specially manufactured low-power processors operate at 68 W or less without any performance tradeoffs. This savings in power at the processor level combined with the smarter power solution that BladeCenter delivers make these blades very attractive to clients who have limited power and cooling resources.

The LS21 blade server achieved a supermetric score of 8,603—a leadership score for a blade server using the dual-core AMD Opteron processor. The supermetric score is derived from the submetric scores of the three workloads measured:

- SPECweb2005\_Banking – 15,000 simultaneous sessions
- SPECweb2005\_Ecommerce – 11,200 simultaneous sessions
- SPECweb2005\_Support – 8,400 simultaneous sessions

The LS21 used two dual-core AMD Opteron 2218 processors (2.6GHz, 1MB L2 cache per core—2 processors/4 cores). The LS21 also used 16GB of memory, 64-bit SUSE Linux® Enterprise Server 9 with Service Pack 2 operating system, SunJava 1.5.0-07 Java® Virtual Machine, 64-bit Accoria Rock Web Server 1.3.3 HTTPS software, and Apache Tomcat 5.5.17.

Results are current as of August 15, 2006, and have been submitted to SPEC for review and will be posted on their Web site upon successful completion of the review. View all SPECweb2005 published results at [www.spec.org](http://www.spec.org).

(1) Planned availability for the LS21 model using the dual-core AMD Opteron 2218 processor (2.6GHz, 1MB L2 cache per core) is October 6, 2006.

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