IBM posts leadership 2-way blade server scores on SPEC CPU2000

June 17, 2005 ... The AMD Opteron LS20 for IBM® *e*server® 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 single-core AMD Opteron 2.0GHz, 2.4GHz and 2.6GHz processor, has demonstrated leadership 2-way blade performance on SPEC CPU2000, which comprises the SPEC CFP2000 and SPEC CINT2000 benchmark suites. The LS20, configured with the dual-core 2.0GHz processsor, also demonstrated leadership performance. The table summarizes the scores and the competitive position. (1)

LS20	Score	Rank
SPECint	1,323	#1 2-way 2.0GHz Single-Core Blade
SPECint_rate2000 (2 processors)	30.7	#1 2-way 2.0GHz Single-Core Blade
SPECfp	1,512	#1 2-way 2.0GHz Single-Core Blade
SPECfp_rate2000 (2 processors)	34.73	#1 2-way 2.0GHz Single-Core Blade
SPECint	1,575	Competitive 2-way 2.4GHz Blade
SPECint_rate2000 (2 processors)	36.57	Competitive 2-way 2.4GHz Blade
SPECfp	1,821	#1 2-way 2.4GHz Blade
SPECfp_rate2000 (2 processors)	42.24	#1 2-way 2.4GHz Blade
SPECint	1,753	Competitive 2-way 2.6GHz Blade
SPECint_rate2000 (2 processors)	40.7	#1 2-way 2.6GHz Blade
SPECfp	2,016	Competitive 2-way 2.6GHz Blade
SPECfp_rate2000 (2 processors)	46.5	#1 2-way 2.6GHz Blade
SPECint_rate2000 (2 processors)	61.1	#1 2-way 2.0GHz Dual-Core Blade
SPECfp_rate2000 (2 processors)	63.1	#1 2-way 2.0GHz Dual-Core Blade

The LS20 blade achieved these results using 64-bit SUSE Linux Enterprise Server 9 SP1.

Results are current as of June 17, 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. View all results at www.spec.org.

(1) The scores for the LS20 blade using the 2.6GHz single-core processor and the 2.0GHz dual-core processsor were previously submitted to SPEC and have been approved. These scores can be viewed at www.spec.org.