



SPEC® CINT2006 Result

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Supermicro

(Test Sponsor: Advanced Micro Devices)

SPECint®_rate2006 = Not Run

SuperServer 6025W-NTR+B, Intel Xeon 5440

SPECint_rate_base2006 = 83.1

CPU2006 license: 49

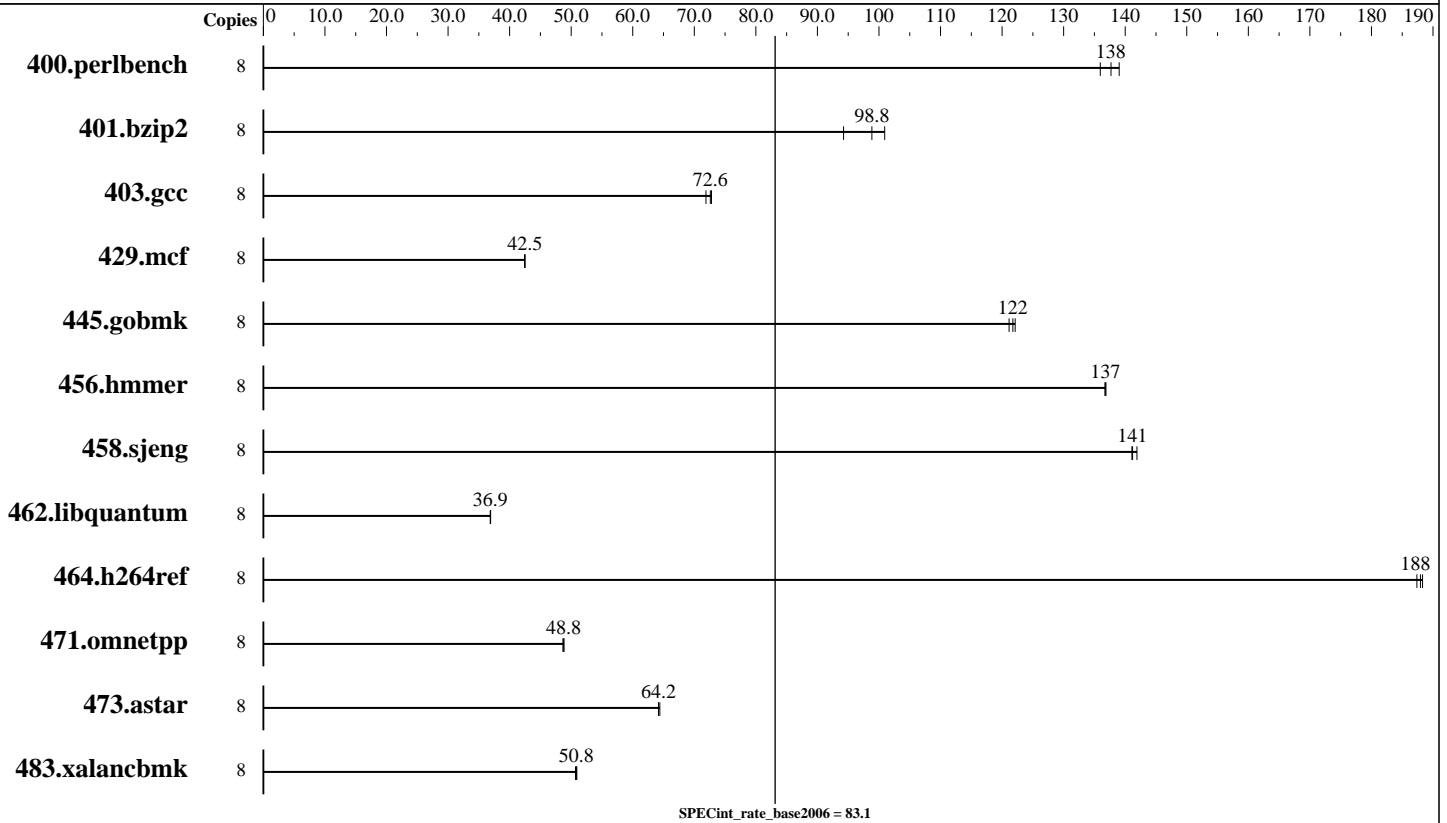
Test sponsor: Advanced Micro Devices

Tested by: Advanced Micro Devices

Test date: Apr-2008

Hardware Availability: Nov-2007

Software Availability: Mar-2008



Hardware

CPU Name: Intel Xeon E5440
 CPU Characteristics:
 CPU MHz: 2833
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 12 MB I+D on chip per chip, 6 MB shared / 2 cores
 L3 Cache: None
 Other Cache: None
 Memory: 16 GB (8 x 2GB, DDR2-667 FBDIMM CL5 Dual Rank)
 Disk Subsystem: 1 x 120 GB SATA, 7200 RPM
 Other Hardware: None

Software

Operating System: SuSE Linux Enterprise Server 10 (x86_64) SP1, Kernel 2.6.16.46-0.12-smp
 Compiler: gcc, g++ 4.3.0
 Auto Parallel: No
 File System: ext3
 System State: Runlevel 3 (Full multiuser with network)
 Base Pointers: 64-bit
 Peak Pointers: Not Applicable
 Other Software: None



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Results Table

Benchmark	Base						Peak							
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	562	139	575	136	568	138							
401.bzip2	8	765	101	781	98.8	819	94.2							
403.gcc	8	887	72.6	896	71.9	885	72.8							
429.mcf	8	1719	42.4	1718	42.5	1717	42.5							
445.gobmk	8	689	122	687	122	693	121							
456.hammer	8	546	137	545	137	546	137							
458.sjeng	8	686	141	682	142	686	141							
462.libquantum	8	4494	36.9	4490	36.9	4497	36.9							
464.h264ref	8	945	187	940	188	942	188							
471.omnetpp	8	1028	48.7	1024	48.8	1025	48.8							
473.astar	8	875	64.2	875	64.2	872	64.4							
483.xalancbmk	8	1084	50.9	1086	50.8	1089	50.7							

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Operating System Notes

'numactl' was used to bind copies to the cores

Base Compiler Invocation

C benchmarks:

gcc

C++ benchmarks:

g++

Base Portability Flags

400.perlbench: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64
401.bzip2: -DSPEC_CPU_LP64
403.gcc: -DSPEC_CPU_LP64
429.mcf: -DSPEC_CPU_LP64
445.gobmk: -DSPEC_CPU_LP64
456.hammer: -DSPEC_CPU_LP64
458.sjeng: -DSPEC_CPU_LP64
462.libquantum: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX
464.h264ref: -DSPEC_CPU_LP64
471.omnetpp: -DSPEC_CPU_LP64
473.astar: -DSPEC_CPU_LP64

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Base Portability Flags (Continued)

483.xalancbmk: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX

Base Optimization Flags

C benchmarks:

-O3 -funroll-loops -fno-strict-aliasing

C++ benchmarks:

-O3 -funroll-loops -fno-strict-aliasing

The flags file that was used to format this result can be browsed at

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.04.html

You can also download the XML flags source by saving the following link:

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.04.xml

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For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

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