SPEC® CINT2006 Result
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Supermicro
(Test Sponsor: Advanced Micro Devices)

SuperServer 8025C-3RB, Intel Xeon X7350

$SPECint®\_rate2006 =$ Not Run

$SPECint\_rate\_base2006 =$ 115
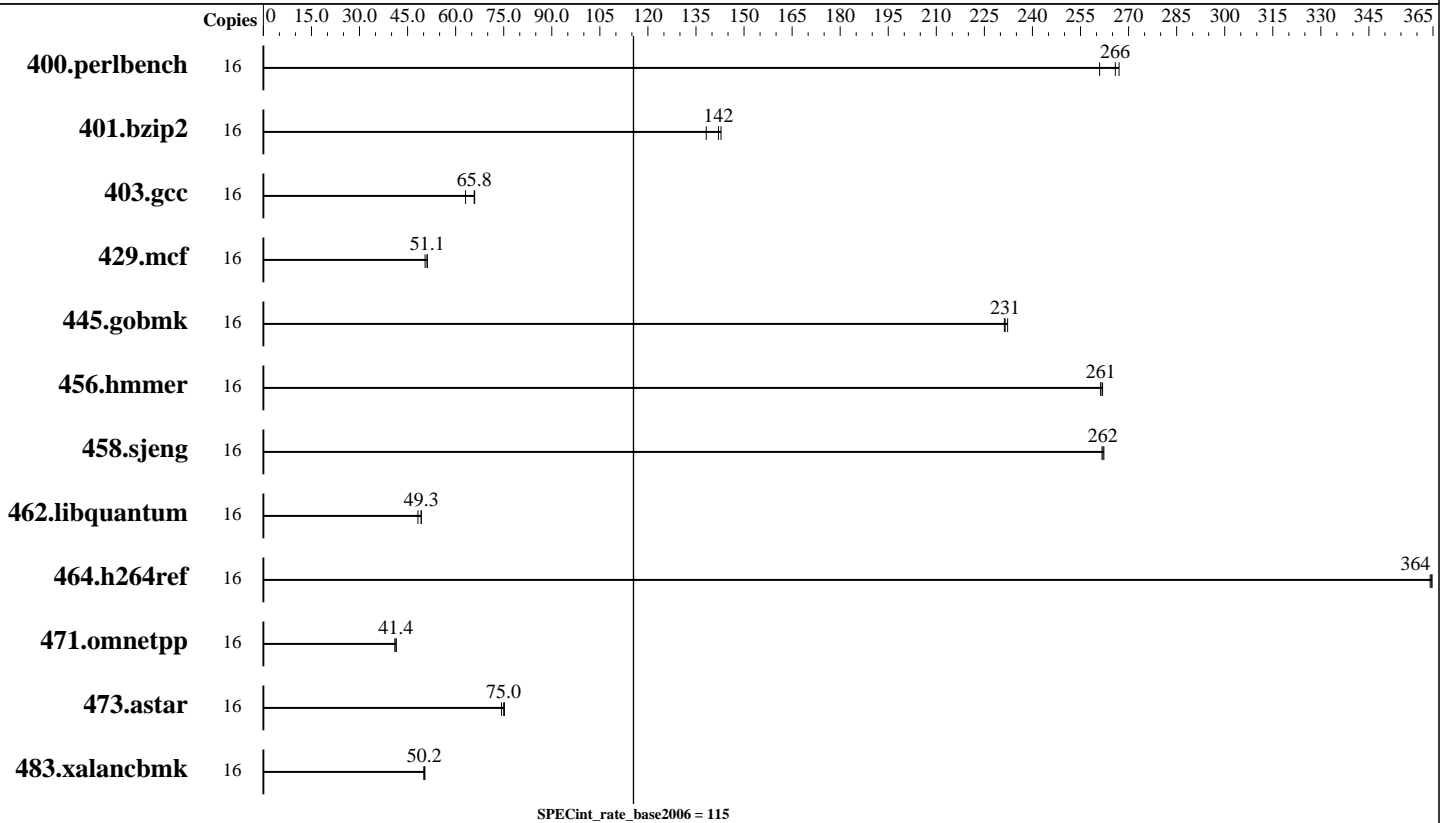
CPU2006 license: 49
Test sponsor: Advanced Micro Devices
Tested by: Advanced Micro Devices

Test date: Apr-2008
Hardware Availability: May-2007
Software Availability: Mar-2008

Benchmark	Copies	Result
400.perlbench	16	266
401.bzip2	16	142
403.gcc	16	65.8
429.mcf	16	51.1
445.gobmk	16	231
456.hmmer	16	261
458.sjeng	16	262
462.libquantum	16	49.3
464.h264ref	16	364
471.omnetpp	16	41.4
473.astar	16	75.0
483.xalancbmk	16	50.2

SPECint_rate_base2006 = 115

Hardware

CPU Name: Intel Xeon X7350
CPU Characteristics:
CPU MHz: 2933
FPU: Integrated
CPU(s) enabled: 16 cores, 4 chips, 4 cores/chip
CPU(s) orderable: 2,4 chips
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 8 MB I+D on chip per chip, 4 MB shared / 2 cores
L3 Cache: None
Other Cache: None
Memory: 32 GB (16 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	Copies	Base Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Peak Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	16	**588**	**266**	585	267	599	261							
401.bzip2	16	1117	138	1081	143	**1087**	**142**							
403.gcc	16	2041	63.1	**1958**	**65.8**	1953	66.0							
429.mcf	16	2891	50.5	2855	51.1	**2855**	**51.1**							
445.gobmk	16	723	232	**725**	**231**	726	231							
456.hmmer	16	571	261	570	262	**571**	**261**							
458.sjeng	16	**739**	**262**	738	262	740	262							
462.libquantum	16	6872	48.2	**6731**	**49.3**	6730	49.3							
464.h264ref	16	971	365	**972**	**364**	972	364							
471.omnetpp	16	2438	41.0	**2416**	**41.4**	2413	41.4							
473.astar	16	1511	74.3	1493	75.2	**1498**	**75.0**							
483.xalancbmk	16	2205	50.1	**2198**	**50.2**	2190	50.4							

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.hmmer: -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.20090713.05.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.05.xml

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

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