



SPEC® CINT2006 Result

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Supermicro Motherboard X7DA8

SPECint®_rate2006 = 80.2

SPECint_rate_base2006 = 77.6

CPU2006 license: 001176

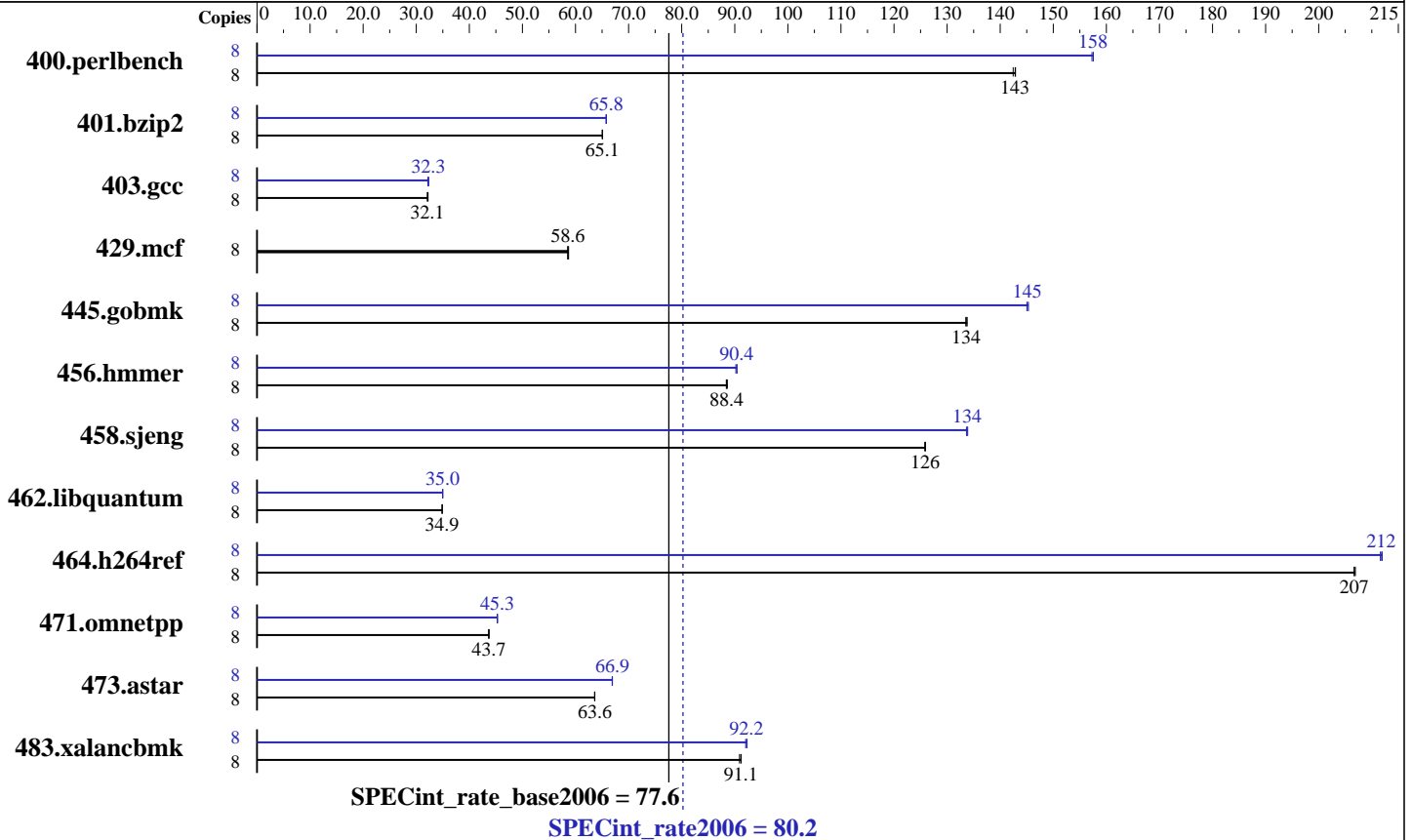
Test sponsor: Supermicro

Tested by: Supermicro

Test date: Apr-2007

Hardware Availability: May-2007

Software Availability: Apr-2007



Hardware

CPU Name: Intel Xeon X5355
 CPU Characteristics: 2.66GHz, 1333 MHz Bus
 CPU MHz: 2660
 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: 8 MB I+D on chip per chip, 4 MB shared / 2 cores
 L3 Cache: None
 Other Cache: None
 Memory: 16 GB (8 X 2GB ECC PC2-5300, CL5, FBDIMM)
 Disk Subsystem: 750GB IDE, 7200RPM
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise Edition W/ SP1
 Compiler: Intel C++ Compiler for IA32 version 9.1
 Build no 20070322Z
 Microsoft Visual Studio .Net 2003 (for libraries)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32-bit
 Other Software: SmartHeap Library Version 8.0



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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	547	143	547	143	549	142	8	496	158	497	157	496	158
401.bzip2	8	1187	65.1	1186	65.1	1187	65.0	8	1173	65.8	1174	65.7	1173	65.8
403.gcc	8	1999	32.2	2005	32.1	2006	32.1	8	2001	32.2	1995	32.3	1991	32.3
429.mcf	8	1247	58.5	1245	58.6	1243	58.7	8	1247	58.5	1245	58.6	1243	58.7
445.gobmk	8	627	134	628	134	629	134	8	577	145	578	145	579	145
456.hammer	8	842	88.6	844	88.4	844	88.4	8	826	90.4	826	90.4	827	90.2
458.sjeng	8	769	126	769	126	770	126	8	724	134	723	134	724	134
462.libquantum	8	4752	34.9	4751	34.9	4752	34.9	8	4738	35.0	4737	35.0	4743	35.0
464.h264ref	8	856	207	856	207	857	207	8	837	212	836	212	835	212
471.omnetpp	8	1144	43.7	1145	43.7	1146	43.6	8	1104	45.3	1104	45.3	1105	45.2
473.astar	8	883	63.6	882	63.6	883	63.6	8	839	66.9	839	67.0	839	66.9
483.xalancbmk	8	607	90.9	605	91.2	606	91.1	8	600	92.1	598	92.3	599	92.2

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

General Notes

Tested systems can be used with SC816S-R700 case,
To ensure system stability, a 500W (minimum) ATX power supply [4-pin (+12V), 8-pin (+12V) and 24-pin are required]
Product description located as of <http://www.supermicro.com/products/motherboard/Xeon1333/5000X/X7DA8.cfm>
The system bus runs at 1333 MHz

Base Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

Base Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

Base Optimization Flags

C benchmarks:
-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

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Base Optimization Flags (Continued)

C++ benchmarks:
-fast -Qcxx_features /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

Base Other Flags

C benchmarks:
403.gcc: -Dalloca=_alloca

Peak Compiler Invocation

C benchmarks:
icl -Qvc7.1 -Qc99

C++ benchmarks:
icl -Qvc7.1

Peak Portability Flags

403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32

Peak Optimization Flags

C benchmarks:
400.perlbench: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast /F512000000
shlw32m.lib -link /FORCE:MULTIPLE
401.bzip2: Same as 400.perlbench
403.gcc: Same as 400.perlbench
429.mcf: basepeak = yes
445.gobmk: Same as 400.perlbench
456.hmmmer: Same as 400.perlbench
458.sjeng: Same as 400.perlbench

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Peak Optimization Flags (Continued)

462.libquantum: Same as 400.perlbench

464.h264ref: Same as 400.perlbench

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

473.astar: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -O2 -Qipo
-Qprec-div- -Qunroll14 -Ob2 -Qsfalign16 -Qcxx_features
/F512000000 shlw32m.lib -link /FORCE:MULTIPLE

483.xalancbmk: Same as 471.omnetpp

Peak Other Flags

C benchmarks:

403.gcc: -Dalloca=_alloca

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

<http://www.spec.org/cpu2006/flags/Intel-ic91-ia32-flags.html>

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

<http://www.spec.org/cpu2006/flags/Intel-ic91-ia32-flags.xml>

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

Tested with SPEC CPU2006 v1.0.1.
Report generated on Tue Jul 22 13:22:07 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 24 July 2007.