



SPEC® CINT2006 Result

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Supermicro Motherboard PDSMU

SPECint®_rate2006 = 20.2

SPECint_rate_base2006 = 19.4

CPU2006 license: 001176

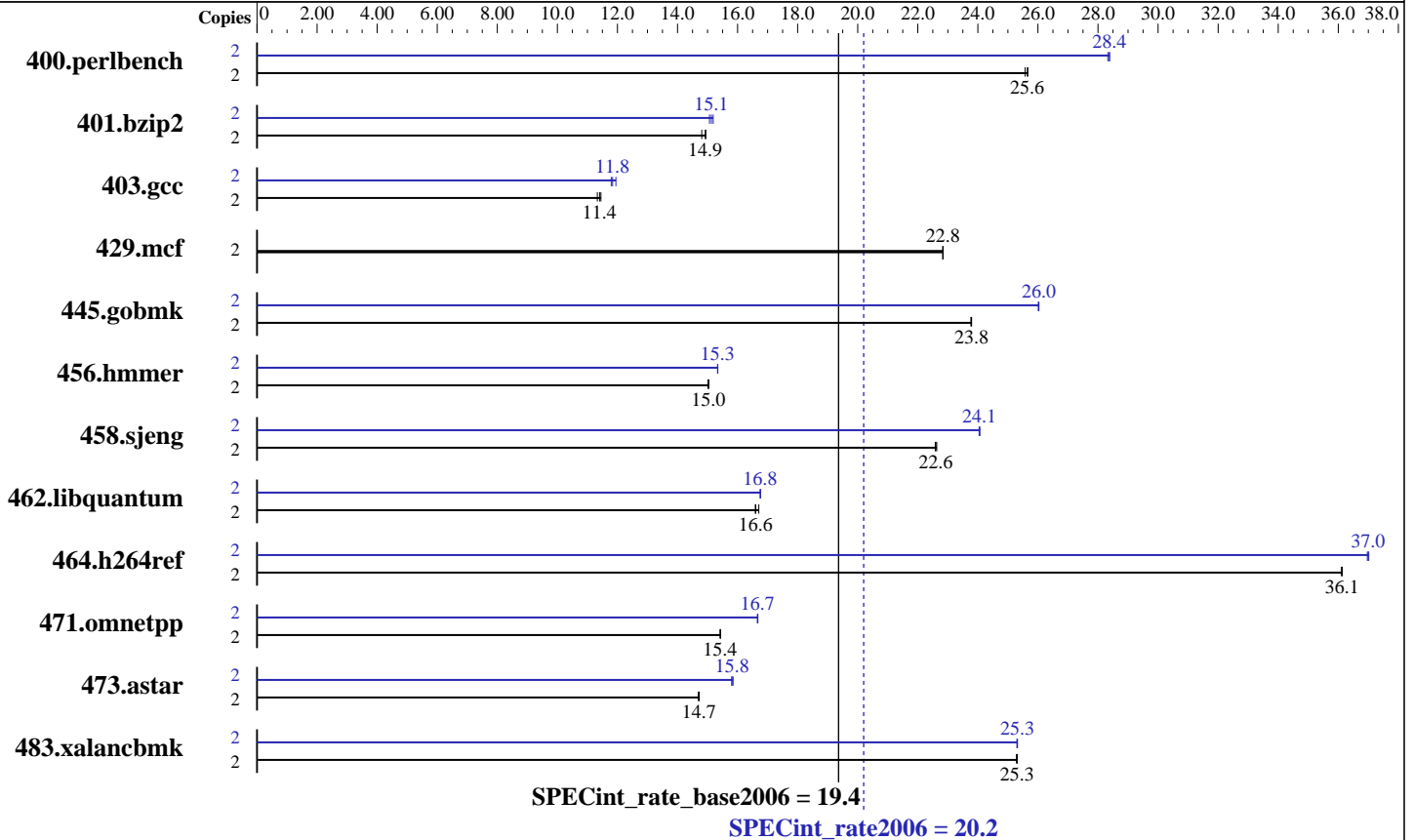
Test sponsor: Supermicro

Tested by: Supermicro

Test date: Apr-2007

Hardware Availability: Dec-2006

Software Availability: Mar-2007



Hardware

CPU Name: Intel Core 2 Duo E4300
 CPU Characteristics: 1.8 GHz, 800 MHz bus
 CPU MHz: 1800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1 chip
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 2 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 4 GB (2 X 2GB ECC, CL4, 533MHz, UBDIMM)
 Disk Subsystem: 250GB SATA, 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	2	764	25.6	761	25.7	762	25.6	2	690	28.3	688	28.4	689	28.4
401.bzip2	2	1292	14.9	1293	14.9	1303	14.8	2	1271	15.2	1281	15.1	1276	15.1
403.gcc	2	1412	11.4	1421	11.3	1406	11.5	2	1365	11.8	1360	11.8	1347	11.9
429.mcf	2	799	22.8	798	22.8	799	22.8	2	799	22.8	798	22.8	799	22.8
445.gobmk	2	882	23.8	882	23.8	883	23.8	2	806	26.0	806	26.0	807	26.0
456.hammer	2	1241	15.0	1241	15.0	1243	15.0	2	1217	15.3	1216	15.3	1217	15.3
458.sjeng	2	1071	22.6	1069	22.6	1072	22.6	2	1006	24.1	1006	24.1	1007	24.0
462.libquantum	2	2498	16.6	2480	16.7	2496	16.6	2	2473	16.8	2472	16.8	2473	16.8
464.h264ref	2	1226	36.1	1225	36.1	1225	36.1	2	1197	37.0	1196	37.0	1196	37.0
471.omnetpp	2	810	15.4	810	15.4	811	15.4	2	750	16.7	750	16.7	750	16.7
473.astar	2	956	14.7	954	14.7	954	14.7	2	888	15.8	888	15.8	886	15.9
483.xalancbmk	2	546	25.3	545	25.3	545	25.3	2	545	25.3	545	25.3	545	25.3

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 CSE-815TQ-R450U case.
For a general system, a 420W (minimum) ATX12V power supply [8-pin +12V AND 24-pin is recommended to assure system stability].
Product description located as of
<http://www.supermicro.com/products/motherboard/Xeon3000/3010/PDSMU.cfm>
The system bus runs at 800 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



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Base Optimization Flags

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

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

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Peak Optimization Flags (Continued)

456.hmmcr: Same as 400.perlbench

458.sjeng: Same as 400.perlbench

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 -Qsfa1ign16 -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.

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