



SPEC® CINT2006 Result

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Supermicro Motherboard X7DBR-8+

SPECint®2006 = 14.8
SPECint_base2006 = 14.1

CPU2006 license: 001176

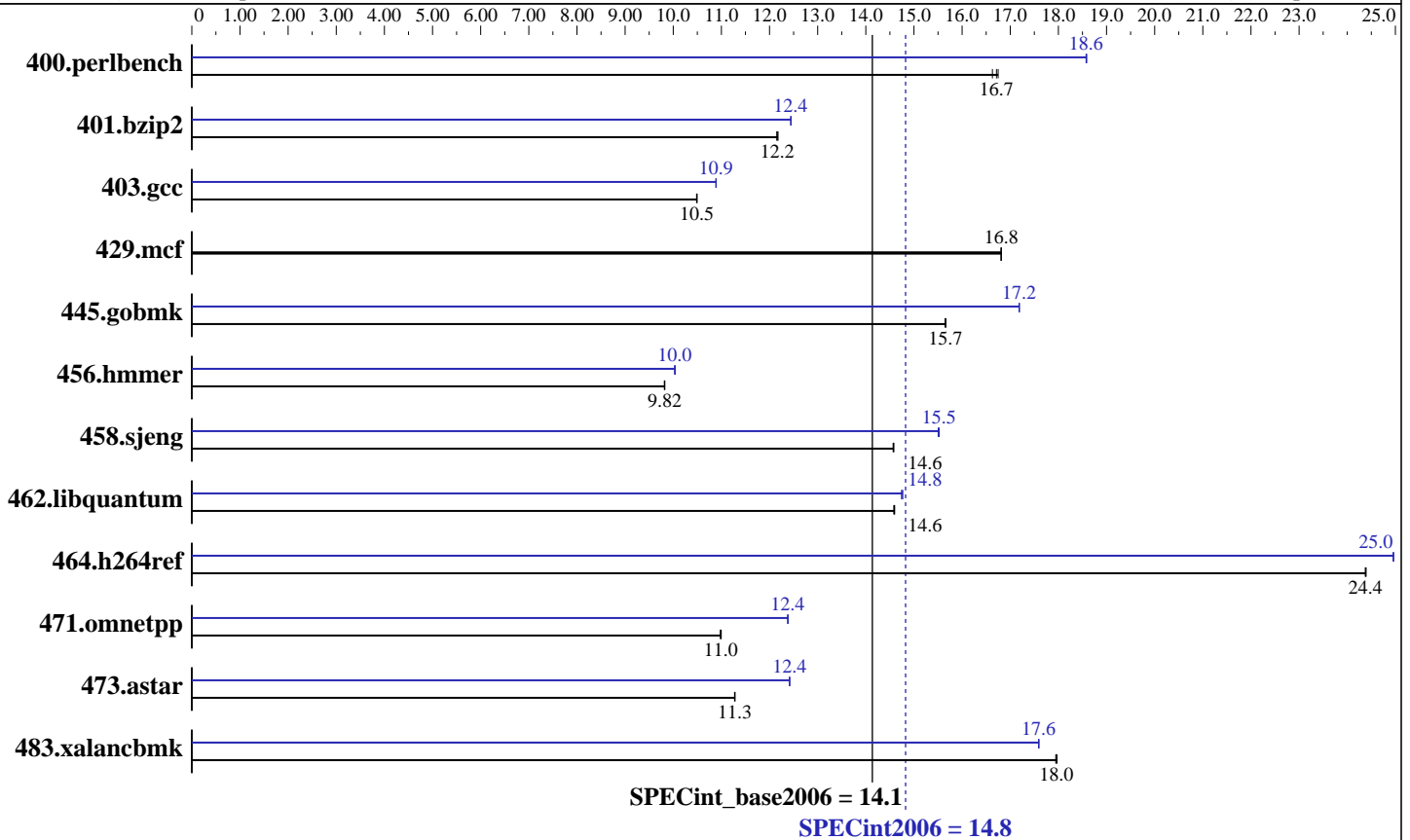
Test sponsor: Supermicro

Tested by: Supermicro

Test date: Jun-2007

Hardware Availability: May-2007

Software Availability: Apr-2007



Hardware

CPU Name: Intel Xeon 5140
 CPU Characteristics: Dual Core, 2.33 GHz
 CPU MHz: 2333
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1, 2 chips
 Primary Cache: 32 KB I + 32 KB D on chip per core
 Secondary Cache: 4 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 16 GB (8 X 2GB ECC, 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					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	585	16.7	588	16.6	583	16.7	526	18.6	526	18.6	526	18.6
401.bzip2	793	12.2	794	12.2	794	12.2	775	12.4	776	12.4	776	12.4
403.gcc	767	10.5	767	10.5	768	10.5	739	10.9	739	10.9	739	10.9
429.mcf	542	16.8	542	16.8	543	16.8	542	16.8	542	16.8	543	16.8
445.gobmk	670	15.6	670	15.7	670	15.7	610	17.2	610	17.2	610	17.2
456.hammer	950	9.82	950	9.82	951	9.81	930	10.0	929	10.0	930	10.0
458.sjeng	830	14.6	830	14.6	831	14.6	780	15.5	779	15.5	780	15.5
462.libquantum	1419	14.6	1420	14.6	1421	14.6	1404	14.8	1403	14.8	1406	14.7
464.h264ref	907	24.4	908	24.4	908	24.4	887	25.0	887	25.0	887	25.0
471.omnetpp	569	11.0	569	11.0	568	11.0	505	12.4	505	12.4	505	12.4
473.astar	622	11.3	623	11.3	622	11.3	565	12.4	565	12.4	565	12.4
483.xalancbmk	384	18.0	384	18.0	385	17.9	392	17.6	392	17.6	392	17.6

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 560W (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/Xeon1333/5000P/X7DBR-8+.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 -Qsfa16 -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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