SPEC® CINT2006 Result

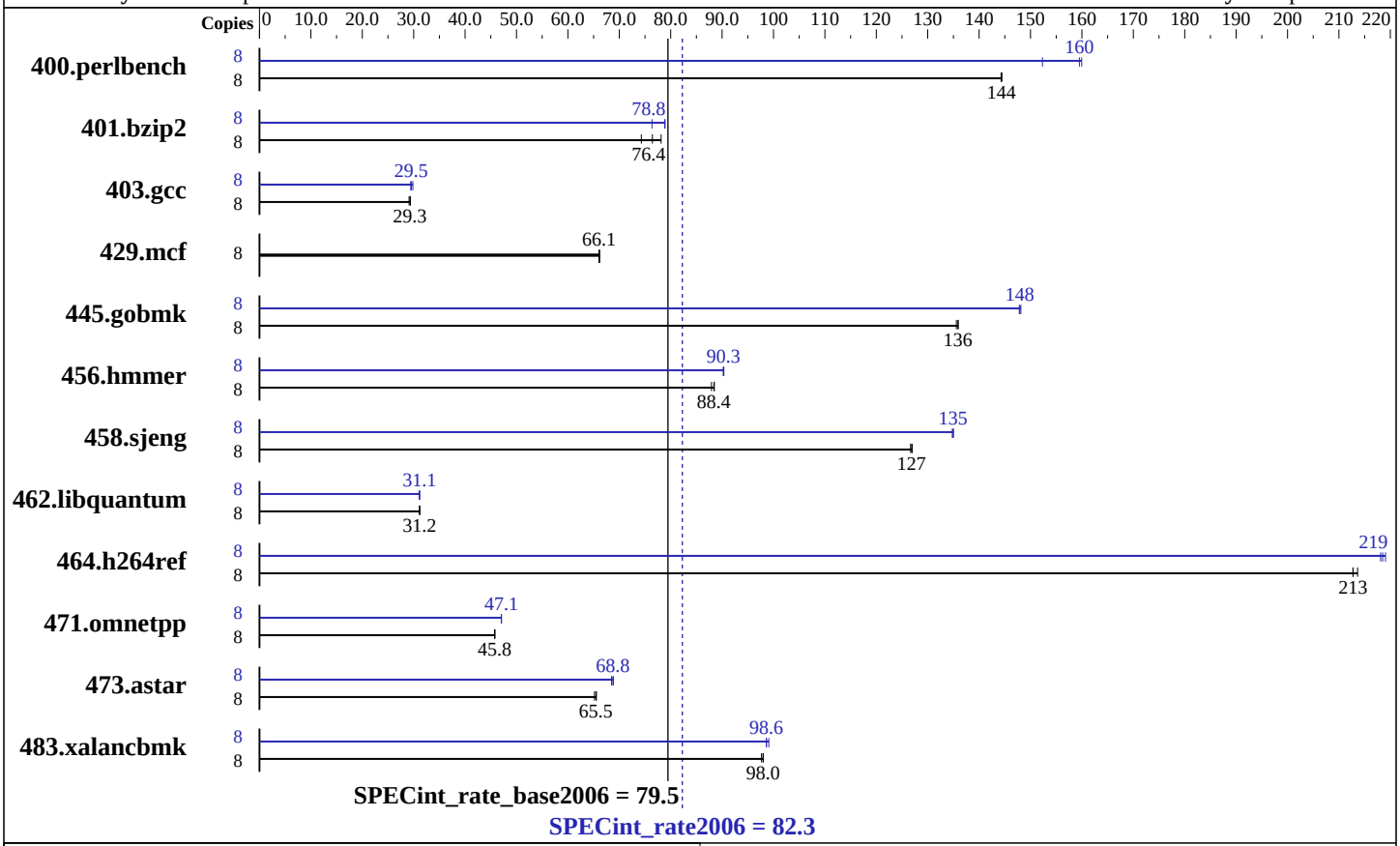
Supermicro Motherboard X7DB8

SPECint®_rate2006 = 82.3

SPECint_rate_base2006 = 79.5

CPU2006 license: 001176
Test sponsor: Supermicro
Tested by: Supermicro

Test date: Apr-2007
Hardware Availability: May-2006
Software Availability: Apr-2007



Hardware

CPU Name:	Intel Xeon X5355
CPU Characteristics:	1333MHz system 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, CL5, FBDIMM)
Disk Subsystem:	1 X 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

SPEC CINT2006 Result

Supermicro Motherboard X7DB8

SPECint_rate2006 = 82.3

SPECint_rate_base2006 = 79.5

CPU2006 license: 001176
Test sponsor: Supermicro
Tested by: Supermicro

Test date: Apr-2007
Hardware Availability: May-2006
Software Availability: Apr-2007

Results Table

Benchmark	Base							Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	542	144	541	144	**542**	**144**	8	513	152	**490**	**160**	489	160
401.bzip2	8	1039	74.3	**1010**	**76.4**	988	78.1	8	1011	76.4	**979**	**78.8**	978	78.9
403.gcc	8	2213	29.1	2193	29.4	**2198**	**29.3**	8	2188	29.4	2158	29.8	**2181**	**29.5**
429.mcf	8	1103	66.2	**1104**	**66.1**	1105	66.0	8	1103	66.2	**1104**	**66.1**	1105	66.0
445.gobmk	8	619	136	617	136	**618**	**136**	8	568	148	**567**	**148**	567	148
456.hmmer	8	849	87.9	844	88.5	**844**	**88.4**	8	**827**	**90.3**	827	90.2	826	90.3
458.sjeng	8	762	127	**763**	**127**	764	127	8	717	135	718	135	**717**	**135**
462.libquantum	8	**5319**	**31.2**	5318	31.2	5320	31.2	8	**5323**	**31.1**	5323	31.1	5328	31.1
464.h264ref	8	829	214	**832**	**213**	832	213	8	808	219	812	218	**810**	**219**
471.omnetpp	8	**1092**	**45.8**	1092	45.8	1093	45.7	8	1063	47.1	**1062**	**47.1**	1062	47.1
473.astar	8	862	65.2	**858**	**65.5**	857	65.5	8	820	68.5	816	68.8	**817**	**68.8**
483.xalancbmk	8	563	98.0	565	97.7	**563**	**98.0**	8	**560**	**98.6**	560	98.6	557	99.1

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-825S2-R700LPV 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/Xeon1333/5000P/X7DB8.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
```

Continued on next page

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.hmmer: Same as 400.perlbench

458.sjeng: Same as 400.perlbench

Continued on next page

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- -Qunroll4 -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

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

Tested with SPEC CPU2006 v1.0.
Report generated on Tue Jul 22 11:04:36 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 12 June 2007.