SPEC® CINT2006 Result

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Acer Incorporated

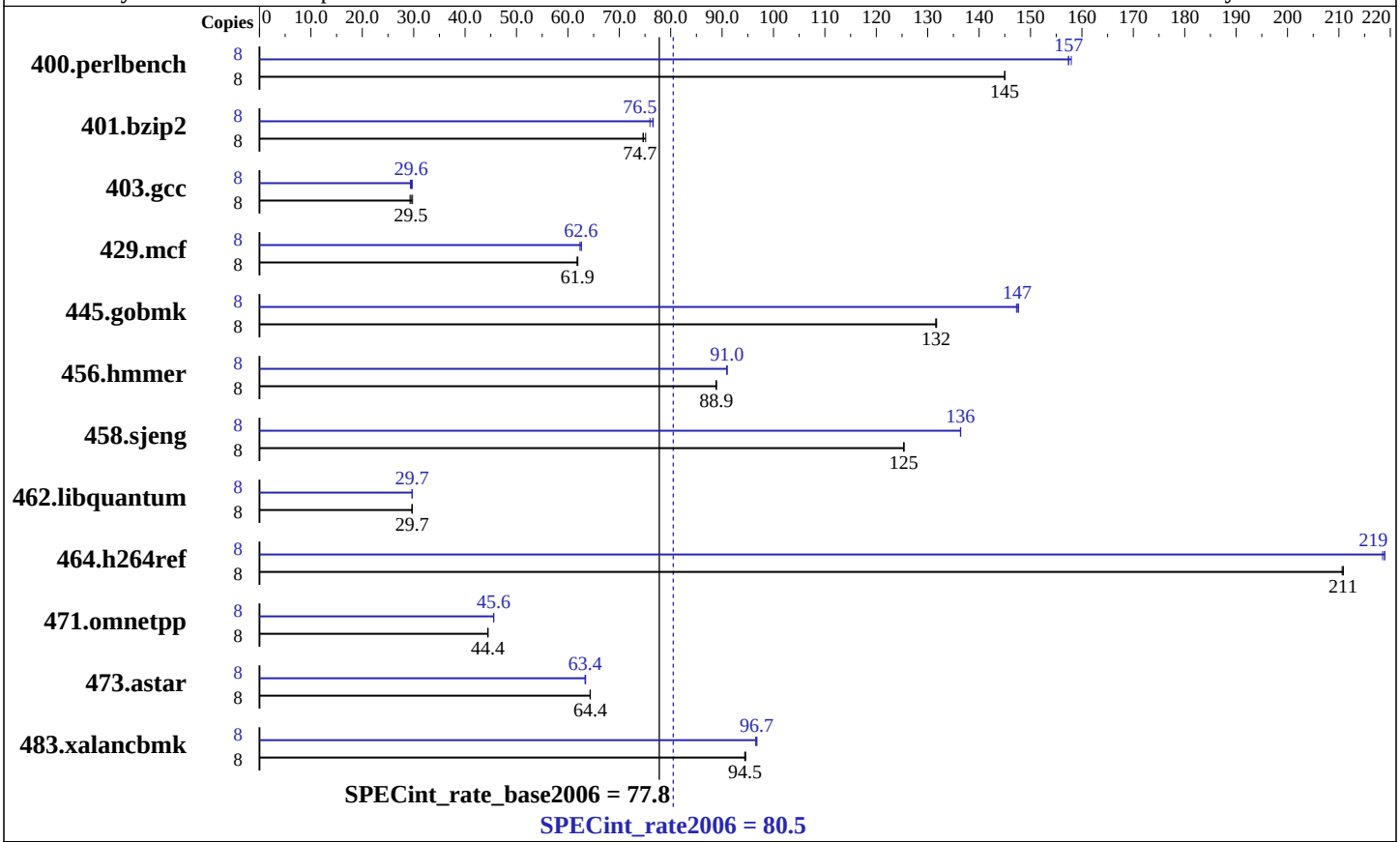
Acer Altos R520 (Intel Xeon X5355, 2.66GHz)

SPECint®_rate2006 = 80.5

SPECint_rate_base2006 = 77.8

CPU2006 license: 97
Test sponsor: Acer Incorporated
Tested by: Acer Incorporated

Test date: Jan-2007
Hardware Availability: Nov-2006
Software Availability: Nov-2006



Hardware

CPU Name:	Intel Xeon X5355
CPU Characteristics:	1333MHz system bus
CPU MHz:	2666
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 2048MB ECC FB-DIMM DDR2-667 CL5-5-5)
Disk Subsystem:	1 x 73GB 10000RPM SAS HDD
Other Hardware:	None

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1
Compiler:	Intel C++ Compiler for IA32 version 9.1 Package ID W_CC_C_9.1.028 Build 20060706Z Microsoft Visual Studio 2003 .Net (libr. & linker)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	MicroQuill Smart Heap Library, Version 7.4

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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	539	145	**539**	**145**	539	145	8	497	157	495	158	**496**	**157**
401.bzip2	8	1035	74.6	1028	75.1	**1034**	**74.7**	8	1016	76.0	**1009**	**76.5**	1008	76.6
403.gcc	8	2199	29.3	**2184**	**29.5**	2163	29.8	8	**2179**	**29.6**	2167	29.7	2194	29.4
429.mcf	8	1178	61.9	1181	61.8	**1179**	**61.9**	8	1165	62.6	1170	62.3	**1166**	**62.6**
445.gobmk	8	638	132	**638**	**132**	637	132	8	570	147	568	148	**569**	**147**
456.hmmer	8	840	88.9	**840**	**88.9**	840	88.9	8	820	91.0	821	90.9	**821**	**91.0**
458.sjeng	8	772	125	772	125	**772**	**125**	8	710	136	**710**	**136**	710	136
462.libquantum	8	**5582**	**29.7**	5578	29.7	5585	29.7	8	5578	29.7	**5579**	**29.7**	5583	29.7
464.h264ref	8	**840**	**211**	840	211	841	211	8	809	219	**809**	**219**	810	218
471.omnetpp	8	1125	44.5	**1125**	**44.4**	1126	44.4	8	1098	45.5	1097	45.6	**1097**	**45.6**
473.astar	8	872	64.4	873	64.3	**873**	**64.4**	8	887	63.3	**886**	**63.4**	885	63.4
483.xalancbmk	8	584	94.6	**584**	**94.5**	585	94.4	8	**571**	**96.7**	570	96.8	572	96.5

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

General Notes

```
This result was measured on the Acer Altos R520.
The Altos R720 and Altos R520 are electronically equivalent.
```

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
```

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

C++ benchmarks:
```
-Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qcxx_features
/F512000000 shlw32m.lib            -link /FORCE:MULTIPLE
```

Peak Other Flags

C benchmarks:

Continued on next page

Peak Other Flags (Continued)

403.gcc: `-Dalloca=_alloca`

The flags file that was used to format this result can be browsed at
`http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.html`

You can also download the XML flags source by saving the following link:
`http://www.spec.org/cpu2006/flags/Acer-CPU2006-ic91-flags.20090714.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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