SPEC® CINT2006 Result

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Dell Inc.

(Test Sponsor: Intel Corporation)

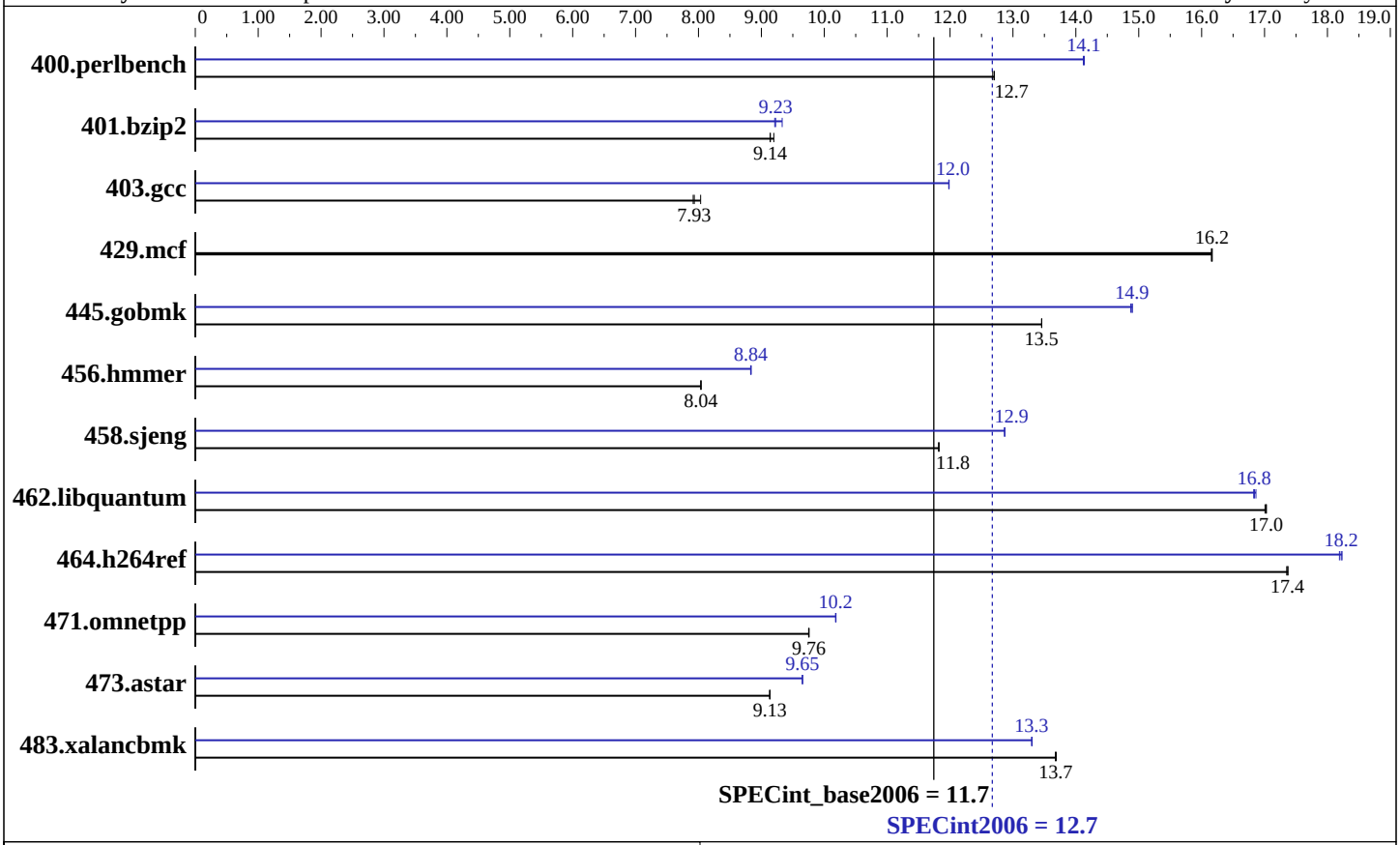
Dell XPS M1710 (Intel Core Duo T2600)

SPECint®2006 = 12.7

SPECint_base2006 = 11.7

CPU2006 license: 13
Test sponsor: Intel Corporation
Tested by: Intel Corporation

Test date: Jun-2007
Hardware Availability: Jun-2007
Software Availability: May-2007



Hardware

CPU Name:	Intel Core Duo T2600
CPU Characteristics:	2.17 GHz, 2MB L2, 667 MHz bus
CPU MHz:	2167
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:	2 GB (2x1GB Hynix DDR2-667 CL5)
Disk Subsystem:	100GB Hitachi SATA, 7200RPM
Other Hardware:	None

Software

Operating System:	Windows Vista32 Ultimate
Compiler:	Intel C++ Compiler for IA32 version 10.0 Build 20070426 Package ID: W_CC_P_10.0.025 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:	None SmartHeap Library Version 8.0 from http://www.microquill.com/

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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	771	12.7	769	12.7	**769**	**12.7**	692	14.1	**692**	**14.1**	691	14.1
401.bzip2	**1055**	**9.14**	1049	9.20	1056	9.14	1034	9.33	1047	9.21	**1046**	**9.23**
403.gcc	1002	8.03	1017	7.92	**1015**	**7.93**	**672**	**12.0**	672	12.0	672	12.0
429.mcf	565	16.2	**564**	**16.2**	564	16.2	565	16.2	**564**	**16.2**	564	16.2
445.gobmk	**779**	**13.5**	779	13.5	780	13.5	704	14.9	705	14.9	**704**	**14.9**
456.hmmer	1161	8.04	1160	8.04	**1161**	**8.04**	**1056**	**8.84**	1057	8.83	1056	8.84
458.sjeng	1024	11.8	1023	11.8	**1024**	**11.8**	**940**	**12.9**	940	12.9	940	12.9
462.libquantum	1217	17.0	**1217**	**17.0**	1218	17.0	1231	16.8	**1230**	**16.8**	1229	16.9
464.h264ref	1274	17.4	**1274**	**17.4**	1275	17.4	1217	18.2	1214	18.2	**1215**	**18.2**
471.omnetpp	**641**	**9.76**	641	9.76	641	9.75	614	10.2	614	10.2	**614**	**10.2**
473.astar	769	9.13	768	9.14	**769**	**9.13**	**727**	**9.65**	727	9.65	727	9.65
483.xalancbmk	**504**	**13.7**	505	13.7	504	13.7	519	13.3	519	13.3	**519**	**13.3**

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

General Notes

```
The system bus runs at 667 MHz
System was configured with an nVIDIA GeForce Go 7900 GTX graphics card
Binaries were built on Windows XP Professional SP2
```

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:

```
-QxP -Qipo -O3 -Qprec-div- /F512000000 shlw32m.lib
           -link /FORCE:MULTIPLE
```

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Base Optimization Flags (Continued)

C++ benchmarks:
-QxP -Qipo -O3 -Qprec-div- -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) -QxP -Qipo -O3 -Qprec-div- -Qansi-alias -Qprefetch /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

401.bzip2: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3 -Qprec-div- /F512000000 shlw32m.lib -link /FORCE:MULTIPLE

403.gcc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3 -Qprec-div- /F512000000 -link /FORCE:MULTIPLE

429.mcf: basepeak = yes

445.gobmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -O2 -Qipo -Qprec_div- -Qansi-alias /F512000000 -link /FORCE:MULTIPLE

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Peak Optimization Flags (Continued)

456.hmmer: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
-Qprec-div- -Qunroll2 -Qansi-alias /F512000000
shlw32m.lib -link /FORCE:MULTIPLE

458.sjeng: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
-Qprec-div- -Qunroll4 /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

462.libquantum: -Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3
-Qprec-div- -Qunroll4 -Ob0 -Qprefetch
-Qopt-streaming-stores:always /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

464.h264ref: Same as 456.hmmer

C++ benchmarks:
-Qprof_gen(pass 1) -Qprof_use(pass 2) -QxP -Qipo -O3 -Qprec-div-
-Qansi-alias -Qcxx_features /F512000000 shlw32m.lib
-link /FORCE:MULTIPLE

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-ic10-ia32-intel64-linux-flags.20090714.43.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic10-ia32-intel64-linux-flags.20090714.43.xml

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