SPEC® CINT2006 Result

ASUS Computer International

(Test Sponsor: Intel Corporation)

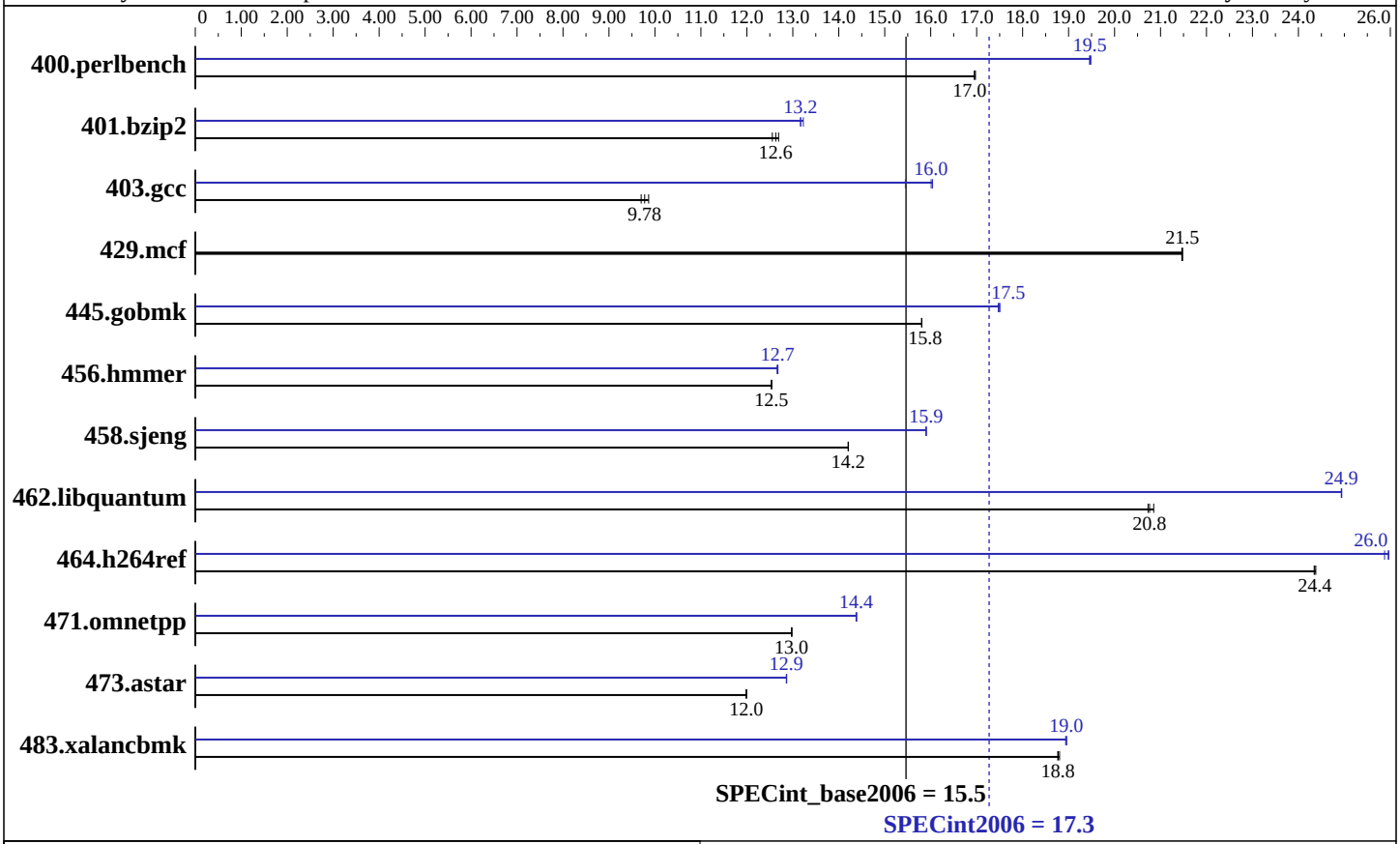
Asus G2S (Intel Core 2 Duo T7700)

SPECint®2006 = 17.3

SPECint_base2006 = 15.5

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 2 Duo T7700
CPU Characteristics:	2.40 GHz, 4MB L2, 800 MHz Bus
CPU MHz:	2400
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:	4 MB I+D on chip per chip
L3 Cache:	None
Other Cache:	None
Memory:	2 GB (2x1GB Hynix DDR2-667 CL5)
Disk Subsystem:	160GB Hitachi SATA, 5400RPM
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	**576**	**17.0**	576	17.0	576	16.9	502	19.5	501	19.5	**502**	**19.5**
401.bzip2	760	12.7	**764**	**12.6**	769	12.6	733	13.2	**733**	**13.2**	729	13.2
403.gcc	**823**	**9.78**	816	9.86	830	9.70	521	15.4	**503**	**16.0**	502	16.0
429.mcf	425	21.5	**425**	**21.5**	425	21.5	425	21.5	**425**	**21.5**	425	21.5
445.gobmk	664	15.8	664	15.8	**664**	**15.8**	600	17.5	599	17.5	**600**	**17.5**
456.hmmer	744	12.5	744	12.5	**744**	**12.5**	736	12.7	**736**	**12.7**	737	12.7
458.sjeng	852	14.2	852	14.2	**852**	**14.2**	**761**	**15.9**	761	15.9	761	15.9
462.libquantum	**998**	**20.8**	994	20.9	1000	20.7	**831**	**24.9**	831	24.9	831	24.9
464.h264ref	909	24.3	**909**	**24.4**	908	24.4	855	25.9	**853**	**26.0**	852	26.0
471.omnetpp	481	13.0	**482**	**13.0**	482	13.0	**435**	**14.4**	434	14.4	435	14.4
473.astar	586	12.0	**586**	**12.0**	585	12.0	546	12.9	546	12.9	**546**	**12.9**
483.xalancbmk	368	18.8	367	18.8	**368**	**18.8**	364	18.9	**364**	**19.0**	364	19.0

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 8600M GT 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:
```
-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 -Qansi-alias -Qprefetch /F512000000 shlw32m.lib -link /FORCE:MULTIPLE`

401.bzip2: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast /F512000000 shlw32m.lib -link /FORCE:MULTIPLE`

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

429.mcf: `basepeak = yes`

445.gobmk: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-QxT -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) `-fast -Qunroll2 -Qansi-alias /F512000000 shlw32m.lib -link /FORCE:MULTIPLE`

458.sjeng: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qunroll4 /F512000000 shlw32m.lib -link /FORCE:MULTIPLE`

462.libquantum: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -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) `-fast -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.20090714.18.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.20090714.18.xml`

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

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