SPEC® CINT2006 Result

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ASUS Computer International

(Test Sponsor: Intel Corporation)

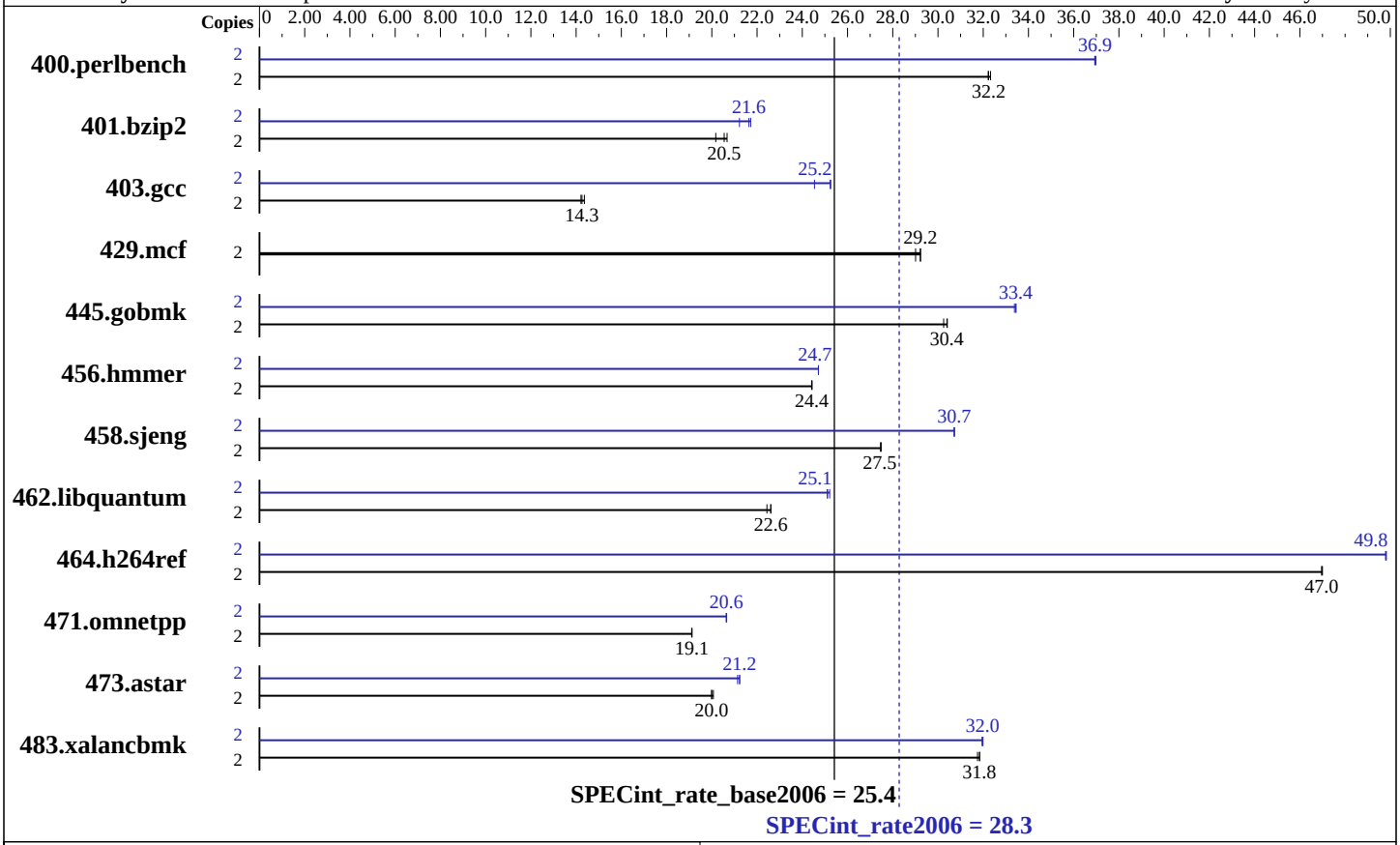
Asus G2S (Intel Core 2 Duo T7700)

SPECint®_rate2006 = 28.3

SPECint_rate_base2006 = 25.4

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						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	2	**606**	**32.2**	606	32.2	604	32.3	2	528	37.0	529	36.9	**529**	**36.9**
401.bzip2	2	957	20.2	934	20.7	**939**	**20.5**	2	889	21.7	909	21.2	**892**	**21.6**
403.gcc	2	1133	14.2	**1129**	**14.3**	1121	14.4	2	656	24.5	637	25.3	**638**	**25.2**
429.mcf	2	**624**	**29.2**	629	29.0	624	29.2	2	**624**	**29.2**	629	29.0	624	29.2
445.gobmk	2	690	30.4	694	30.3	**690**	**30.4**	2	627	33.4	**627**	**33.4**	629	33.4
456.hmmer	2	764	24.4	**764**	**24.4**	764	24.4	2	755	24.7	**755**	**24.7**	755	24.7
458.sjeng	2	881	27.5	**881**	**27.5**	881	27.5	2	**788**	**30.7**	788	30.7	788	30.7
462.libquantum	2	**1833**	**22.6**	1833	22.6	1847	22.4	2	1644	25.2	**1650**	**25.1**	1651	25.1
464.h264ref	2	942	47.0	**942**	**47.0**	942	47.0	2	**889**	**49.8**	889	49.8	888	49.8
471.omnetpp	2	654	19.1	654	19.1	**654**	**19.1**	2	606	20.6	**606**	**20.6**	605	20.7
473.astar	2	702	20.0	**702**	**20.0**	700	20.1	2	**661**	**21.2**	664	21.1	661	21.2
483.xalancbmk	2	435	31.7	**433**	**31.8**	433	31.8	2	432	31.9	431	32.0	**432**	**32.0**

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
The start command with the /affinity switch was used to bind processes to cores
```

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

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