SPEC® CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

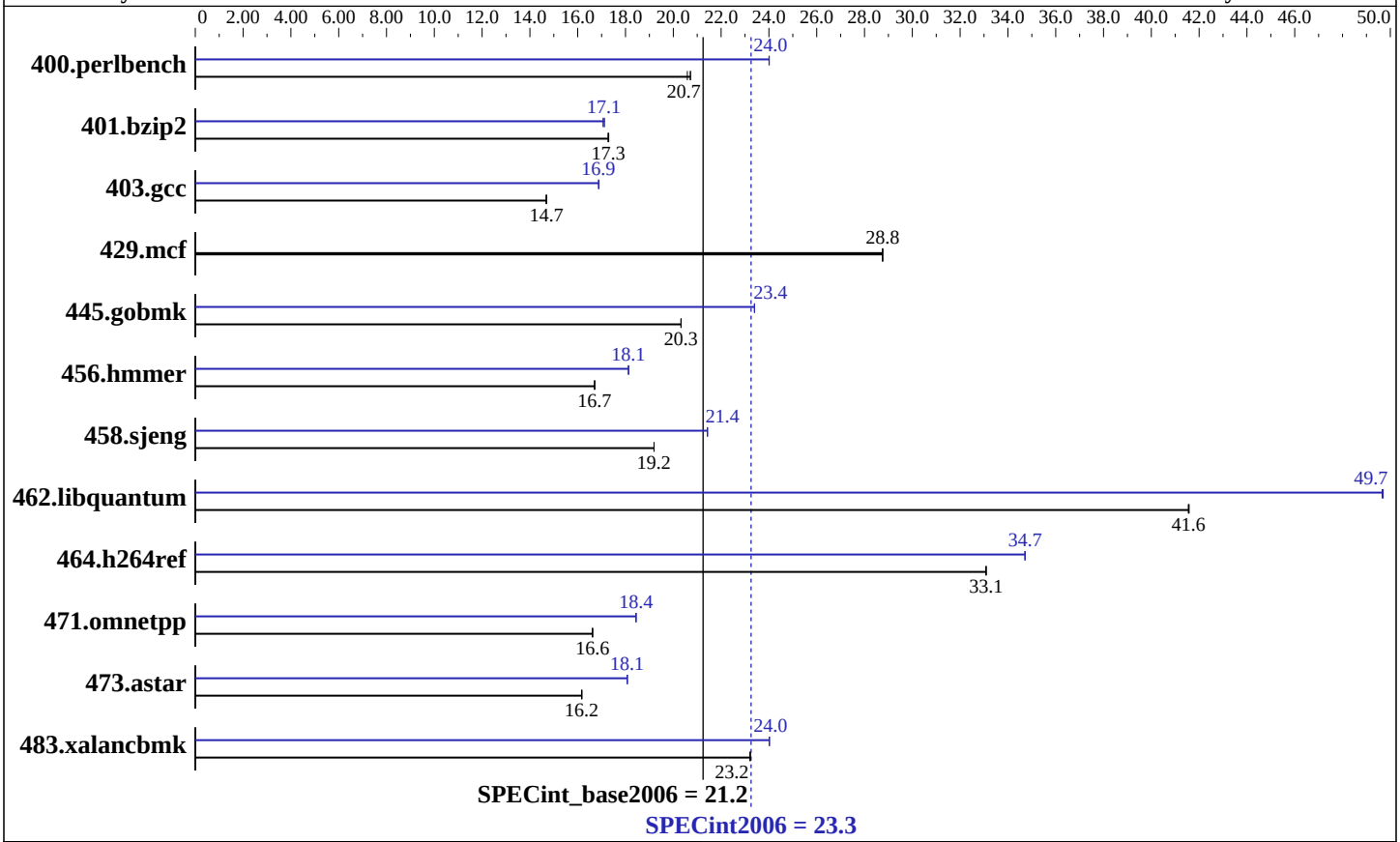
Dell Precision T3400 (Intel E8500, 3.16 GHz)

SPECint®2006 = 23.3

SPECint_base2006 = 21.2

CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Test date: Dec-2007
Hardware Availability: Jan-2008
Software Availability: Nov-2007



Hardware

CPU Name:	Intel Core 2 Duo E8500
CPU Characteristics:	1333 MHz Bus Speed
CPU MHz:	3166
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:	6 MB I+D on chip per chip
L3 Cache:	None
Other Cache:	None
Memory:	4 GB (4x1 GB 800 MHz ECC CL6 DDR2)
Disk Subsystem:	1 x 80 GB SATA 7200 RPM
Other Hardware:	None

Software

Operating System:	Windows XP Professional x64 Edition SP2
Compiler:	Intel C++ Compiler for IA-32, Version 10.1 Build 20070913 Package ID: w_cc_p_10.1.011 Microsoft Visual Studio 2005 SP1
Auto Parallel:	Yes
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	MicroQuill SmartHeap Library 8.1

SPEC CINT2006 Result

Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

Dell Precision T3400 (Intel E8500, 3.16 GHz)

SPECint2006 = 23.3

SPECint_base2006 = 21.2

CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Test date: Dec-2007
Hardware Availability: Jan-2008
Software Availability: Nov-2007

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	475	20.6	472	20.7	**472**	**20.7**	407	24.0	407	24.0	**407**	**24.0**
401.bzip2	**558**	**17.3**	558	17.3	559	17.3	**564**	**17.1**	566	17.1	564	17.1
403.gcc	548	14.7	**548**	**14.7**	549	14.7	477	16.9	**477**	**16.9**	477	16.9
429.mcf	317	28.8	317	28.8	**317**	**28.8**	317	28.8	317	28.8	**317**	**28.8**
445.gobmk	516	20.3	**516**	**20.3**	516	20.3	448	23.4	**448**	**23.4**	448	23.4
456.hmmer	558	16.7	**558**	**16.7**	558	16.7	515	18.1	**515**	**18.1**	515	18.1
458.sjeng	**630**	**19.2**	630	19.2	630	19.2	565	21.4	565	21.4	**565**	**21.4**
462.libquantum	498	41.6	499	41.5	**499**	**41.6**	417	49.7	**417**	**49.7**	417	49.7
464.h264ref	669	33.1	669	33.1	**669**	**33.1**	637	34.7	637	34.7	**637**	**34.7**
471.omnetpp	376	16.6	**376**	**16.6**	376	16.6	339	18.4	**339**	**18.4**	339	18.4
473.astar	434	16.2	**434**	**16.2**	434	16.2	388	18.1	**388**	**18.1**	388	18.1
483.xalancbmk	297	23.2	**297**	**23.2**	297	23.2	287	24.0	**287**	**24.0**	287	24.0

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

General Notes

```
Binaries were built on Windows Vista Ultimate (64-bit)
```

Base Compiler Invocation

C benchmarks:

```
icl -Qstd=c99
```

C++ benchmarks:

```
icl
```

Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`
483.xalancbmk: `-Qoption,cpp,--no_wchar_t_keyword`

Base Optimization Flags

C benchmarks:

```
-fast -Qparallel -Qpar-runtime-control -Qvec-guard-write /F512000000
shlw32mt.lib libguide40.lib            -link /FORCE:MULTIPLE
```

Continued on next page

Base Optimization Flags (Continued)

C++ benchmarks:
```
-fast -Qcxx_features /F512000000 shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE
```

Base Other Flags

C benchmarks:

403.gcc: `-Dalloca=_alloca`

Peak Compiler Invocation

C benchmarks:
```
icl -Qstd=c99
```

C++ benchmarks:
```
icl
```

Peak Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DSPEC_CPU_NO_INTTYPES -DWIN32`
483.xalancbmk: `-Qoption,cpp,--no_wchar_t_keyword`

Peak Optimization Flags

C benchmarks:

400.perlbench: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qansi-alias -Qprefetch -Qparallel -Qpar-runtime-control /F512000000 shlw32mt.lib libguide40.lib -link /FORCE:MULTIPLE`

401.bzip2: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast -Qprefetch /F512000000 shlw32mt.lib libguide40.lib -link /FORCE:MULTIPLE`

403.gcc: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast /F512000000 shlw32mt.lib libguide40.lib -link /FORCE:MULTIPLE`

Continued on next page

Peak Optimization Flags (Continued)

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

456.hmmer: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias -Qopt-multi-version-aggressive /F512000000
shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE

458.sjeng: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4
/F512000000 shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE

462.libquantum: -fast -Qunroll4 -Ob0 -Qprefetch
-Qopt-streaming-stores:always -Qparallel
-Qpar-runtime-control /F512000000 shlw32mt.lib
libguide40.lib -link /FORCE:MULTIPLE

464.h264ref: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias /F512000000 shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qopt-ra-region-strategy=block -Qcxx_features /F512000000
shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE

473.astar: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qopt-ra-region-strategy=routine -Qcxx_features /F512000000
shlw32mt.lib libguide40.lib
-link /FORCE:MULTIPLE

483.xalancbmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qcxx_features /F512000000 shlw32mt.lib libguide40.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/dell.ic10.1.windows.flags.20090714.01.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/dell.ic10.1.windows.flags.20090714.01.xml

SPEC and SPECint are registered trademarks of the Standard Performance Evaluation Corporation. All other brand and product names appearing in this result are trademarks or registered trademarks of their respective holders.

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 15:18:55 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 8 January 2008.