SPEC® CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

Dell Precision T3500 (Intel Xeon W3580, 3.33 GHz)

$SPECint^{®}2006 = $ 35.9

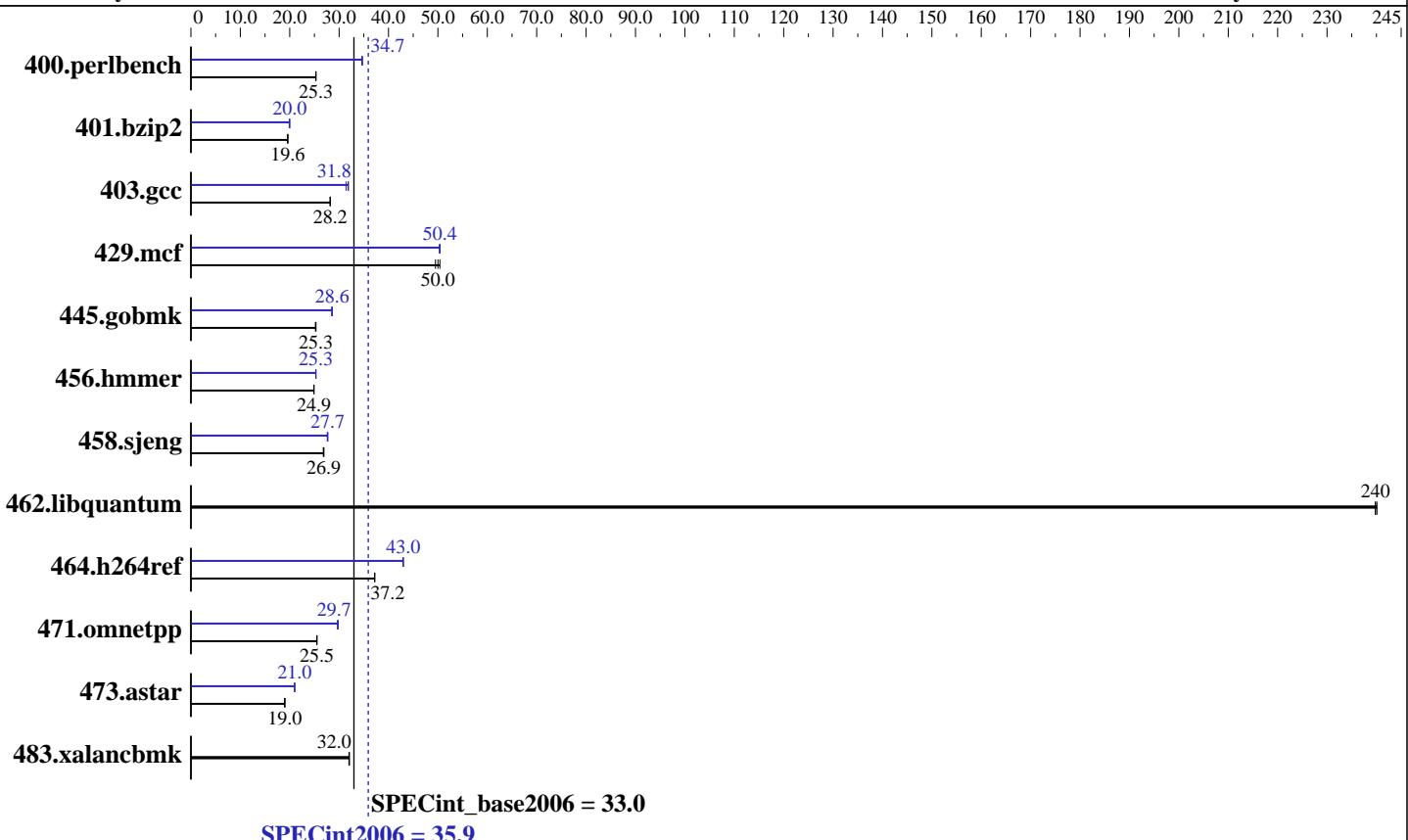$SPECint_base2006 = $ 33.0

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

Test date: Jul-2009
Hardware Availability: Aug-2009
Software Availability: Feb-2009

SPECint_base2006 = 33.0
SPECint2006 = 35.9

Results per benchmark:

Benchmark	Peak	Base
400.perlbench	34.7	25.3
401.bzip2	20.0	19.6
403.gcc	31.8	28.2
429.mcf	50.4	50.0
445.gobmk	28.6	25.3
456.hmmer	25.3	24.9
458.sjeng	27.7	26.9
462.libquantum	240	
464.h264ref	43.0	37.2
471.omnetpp	29.7	25.5
473.astar	21.0	19.0
483.xalancbmk	32.0	

Hardware

CPU Name:	Intel Xeon W3580
CPU Characteristics:	Intel Turbo Boost Technology up to 3.60 GHz
CPU MHz:	3333
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 cores/chip, 2 threads/core
CPU(s) orderable:	1 chip
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	256 KB I+D on chip per core
L3 Cache:	8 MB I+D on chip per chip
Other Cache:	None
Memory:	24 GB (6x4 GB PC3-10600E)
Disk Subsystem:	1 x 80GB SATA 7200 RPM
Other Hardware:	None

Software

Operating System:	Windows Vista Ultimate SP1 (64-bit)
Compiler:	Intel C++ Compiler for IA-32, Version 11.0 Build 20090131 Package ID: w_cproc_p_11.0.072 Microsoft Visual Studio 2008 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 T3500 (Intel Xeon W3580, 3.33 GHz)

$SPECint2006 =$ 35.9

$SPECint\_base2006 =$ 33.0

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

Test date: Jul-2009
Hardware Availability: Aug-2009
Software Availability: Feb-2009

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	386	25.3	386	25.3	**386**	**25.3**	281	34.7	282	34.6	**282**	**34.7**
401.bzip2	492	19.6	**492**	**19.6**	492	19.6	484	20.0	484	19.9	**484**	**20.0**
403.gcc	285	28.2	**285**	**28.2**	285	28.2	252	31.9	257	31.4	**253**	**31.8**
429.mcf	**183**	**50.0**	184	49.5	181	50.4	**181**	**50.4**	181	50.3	181	50.4
445.gobmk	415	25.3	**415**	**25.3**	416	25.2	367	28.6	368	28.5	**367**	**28.6**
456.hmmer	**375**	**24.9**	375	24.9	375	24.9	369	25.3	**369**	**25.3**	369	25.3
458.sjeng	451	26.9	**451**	**26.9**	451	26.8	**438**	**27.7**	437	27.7	438	27.6
462.libquantum	86.3	240	**86.4**	**240**	86.4	240	86.3	240	**86.4**	**240**	86.4	240
464.h264ref	595	37.2	**595**	**37.2**	595	37.2	515	43.0	516	42.9	**515**	**43.0**
471.omnetpp	**245**	**25.5**	245	25.5	245	25.5	209	29.8	**210**	**29.7**	211	29.7
473.astar	370	19.0	**370**	**19.0**	370	19.0	335	21.0	334	21.0	**334**	**21.0**
483.xalancbmk	215	32.1	**215**	**32.0**	216	32.0	215	32.1	**215**	**32.0**	216	32.0

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

Platform Notes

    BIOS Settings
      Hyperthreading: ENABLE

General Notes

    Binaries were built on Windows Vista Business (64-bit)

Base Compiler Invocation

    C benchmarks:
        icl -Qvc9 -Qstd=c99

    C++ benchmarks:
        icl -Qvc9

Base Portability Flags

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

Dell Inc.

Dell Precision T3500 (Intel Xeon W3580, 3.33 GHz)

$SPECint2006 =$ 35.9

$SPECint\_base2006 =$ 33.0

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

Test date: Jul-2009
Hardware Availability: Aug-2009
Software Availability: Feb-2009

Base Optimization Flags

C benchmarks:
```
-QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qparallel
-Qpar-runtime-control -Qvec-guard-write /F512000000
```

C++ benchmarks:
```
-QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qcxx_features
/F512000000 shlw32m.lib          -link /FORCE:MULTIPLE
```

Base Other Flags

C benchmarks:

    403.gcc: `-Dalloca=_alloca`

Peak Compiler Invocation

C benchmarks:
```
icl -Qvc9 -Qstd=c99
```

C++ benchmarks:
```
icl -Qvc9
```

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) `-QxSSE4.2 -Qprof_use`(pass 2) `-Qipo -O3`
               `-Qprec-div- -Qansi-alias -Qopt-prefetch /F512000000`
               `shlw32m.lib              -link /FORCE:MULTIPLE`

      401.bzip2: `-Qprof_gen`(pass 1) `-QxSSE4.2`(pass 2) `-Qprof_use`(pass 2)
               `-Qipo -O3 -Qprec-div- -Qansi-alias -Qopt-prefetch`
               `/F512000000`

        403.gcc: `-Qprof_gen`(pass 1) `-QxSSE4.2 -Qprof_use`(pass 2) `-Qipo -O3`
               `-Qprec-div- /F512000000`

Continued on next page

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

Dell Precision T3500 (Intel Xeon W3580, 3.33 GHz)

$SPECint2006 =$ 35.9

$SPECint\_base2006 =$ 33.0

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

Test date: Jul-2009
Hardware Availability: Aug-2009
Software Availability: Feb-2009

Peak Optimization Flags (Continued)

```
   429.mcf: -QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch
            /F512000000

 445.gobmk: -Qprof_gen(pass 1) -QxSSE4.2(pass 2) -Qprof_use(pass 2)
            -Qipo -O2 -Qprec-div- -Qansi-alias /F512000000

 456.hmmer: -QxSSE4.2 -Qipo -O3 -Qprec-div- -Qunroll2 -Qansi-alias
            /F512000000

 458.sjeng: -Qprof_gen(pass 1) -QxSSE4.2(pass 2) -Qprof_use(pass 2)
            -Qipo -O3 -Qprec-div- -Qunroll4 /F512000000
```

462.libquantum: `basepeak = yes`

```
464.h264ref: -Qprof_gen(pass 1) -QxSSE4.2(pass 2) -Qprof_use(pass 2)
             -Qipo -O3 -Qprec-div- -Qunroll2 -Qansi-alias /F512000000
```

C++ benchmarks:

```
 471.omnetpp: -Qprof_gen(pass 1) -QxSSE4.2(pass 2) -Qprof_use(pass 2)
              -Qipo -O3 -Qprec-div- -Qansi-alias
              -Qopt-ra-region-strategy=block /F512000000 shlw32m.lib
                         -link /FORCE:MULTIPLE

   473.astar: -Qprof_gen(pass 1) -QxSSE4.2(pass 2) -Qprof_use(pass 2)
              -Qipo -O3 -Qprec-div- -Qansi-alias
              -Qopt-ra-region-strategy=routine /F512000000 shlw32m.lib
                         -link /FORCE:MULTIPLE
```

483.xalancbmk: `basepeak = yes`

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.flags.ic11.0.win.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/dell.flags.ic11.0.win.xml

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

Dell Precision T3500 (Intel Xeon W3580, 3.33 GHz)

SPECint2006 =   35.9

SPECint_base2006 =   33.0

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

Test date: Jul-2009
Hardware Availability: Aug-2009
Software Availability: Feb-2009

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

Tested with SPEC CPU2006 v1.1.
Report generated on Wed Jul 23 02:50:54 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 15 September 2009.