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

Dell Inc.

PowerEdge R410 (Intel Xeon E5502, 1.86 GHz)

$SPECint®2006 =$ **Not Run**

$SPECint\_base2006 =$ **16.3**
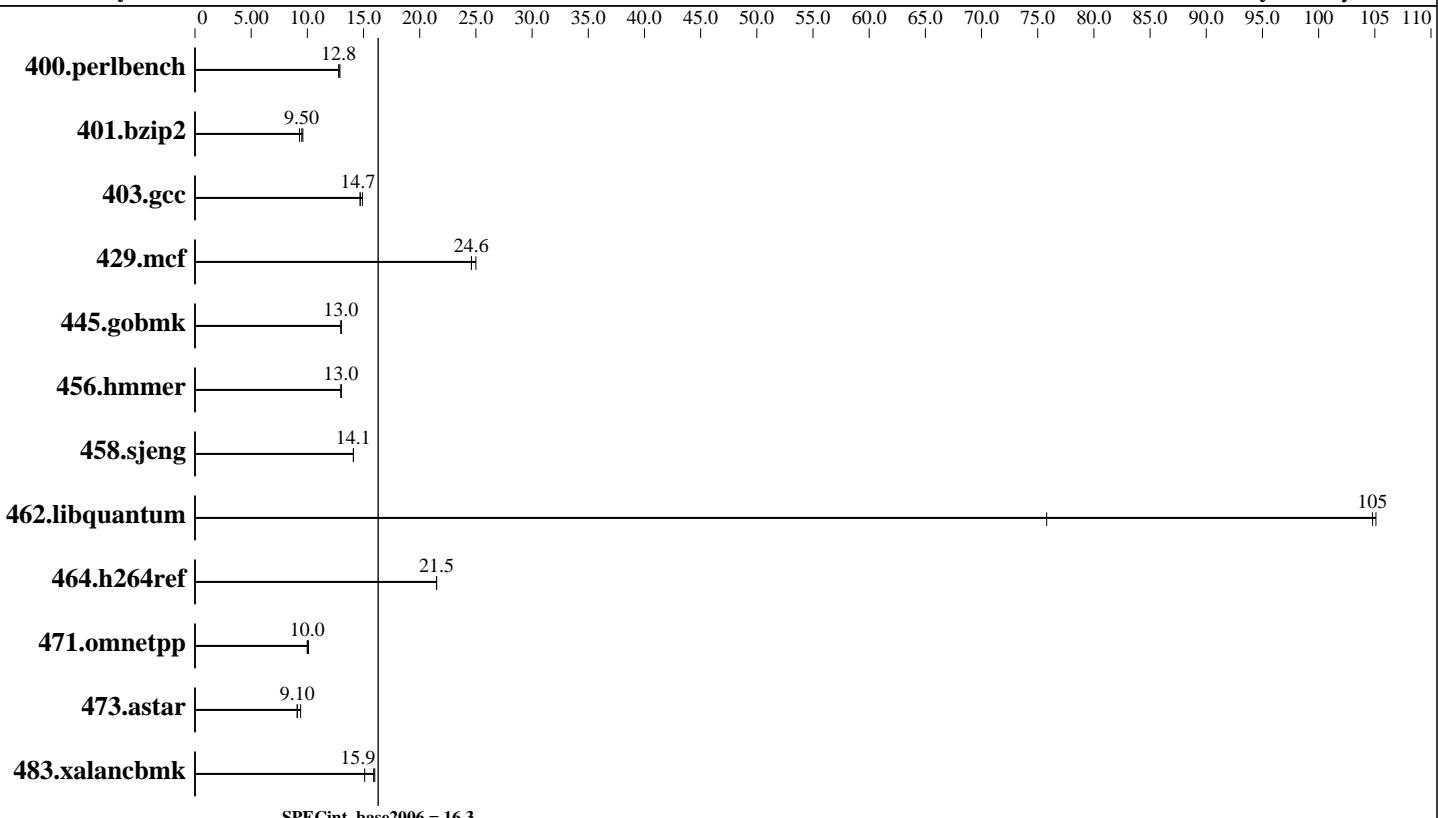
CPU2006 license: 55
Test sponsor: Dell Inc.
Tested by: Dell Inc.

Test date: Sep-2009
Hardware Availability: Jun-2009
Software Availability: May-2009

Benchmark	Result
400.perlbench	12.8
401.bzip2	9.50
403.gcc	14.7
429.mcf	24.6
445.gobmk	13.0
456.hmmer	13.0
458.sjeng	14.1
462.libquantum	105
464.h264ref	21.5
471.omnetpp	10.0
473.astar	9.10
483.xalancbmk	15.9

SPECint_base2006 = 16.3

Hardware

CPU Name: Intel Xeon E5502
CPU Characteristics:
CPU MHz: 1867
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
CPU(s) orderable: 1,2 chips
Primary Cache: 32 KB I + 32 KB D on chip per core
Secondary Cache: 256 KB I+D on chip per core
L3 Cache: 4 MB I+D on chip per chip
Other Cache: None
Memory: 4 GB (2 x 2 GB DDR3-1066 DR RDIMM downclocked to 800 MHz)
Disk Subsystem: 1 x 73 GB 15000 RPM SAS
Other Hardware: None

Software

Operating System: Microsoft Windows Server 2008 Enterprise x64 Edition SP2
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.

PowerEdge R410 (Intel Xeon E5502, 1.86 GHz)

SPECint2006 =   Not Run

SPECint_base2006 =   16.3

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

Test date: Sep-2009
Hardware Availability: Jun-2009
Software Availability: May-2009

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	761	12.8	**760**	**12.8**	756	12.9						
401.bzip2	**1020**	**9.50**	1006	9.60	1040	9.30						
403.gcc	541	14.9	**546**	**14.7**	548	14.7						
429.mcf	**370**	**24.6**	365	25.0	371	24.6						
445.gobmk	805	13.0	**804**	**13.0**	804	13.0						
456.hmmer	717	13.0	717	13.0	**717**	**13.0**						
458.sjeng	857	14.1	861	14.1	**858**	**14.1**						
462.libquantum	197	105	**198**	**105**	274	75.8						
464.h264ref	1029	21.5	**1030**	**21.5**	1030	21.5						
471.omnetpp	**623**	**10.0**	628	10.0	621	10.1						
473.astar	**773**	**9.10**	747	9.40	774	9.10						
483.xalancbmk	458	15.1	**433**	**15.9**	433	16.0						

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 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
```

Base Optimization Flags

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

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Dell Inc.

PowerEdge R410 (Intel Xeon E5502, 1.86 GHz)

SPECint2006 =   Not Run

SPECint_base2006 =   16.3

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

Test date: Sep-2009
Hardware Availability: Jun-2009
Software Availability: May-2009

Base Optimization Flags (Continued)

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
```

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 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 v1.1.
Report generated on Wed Jul 23 03:02:57 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 29 September 2009.