SPEC® CINT2006 Result

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Dell Inc.

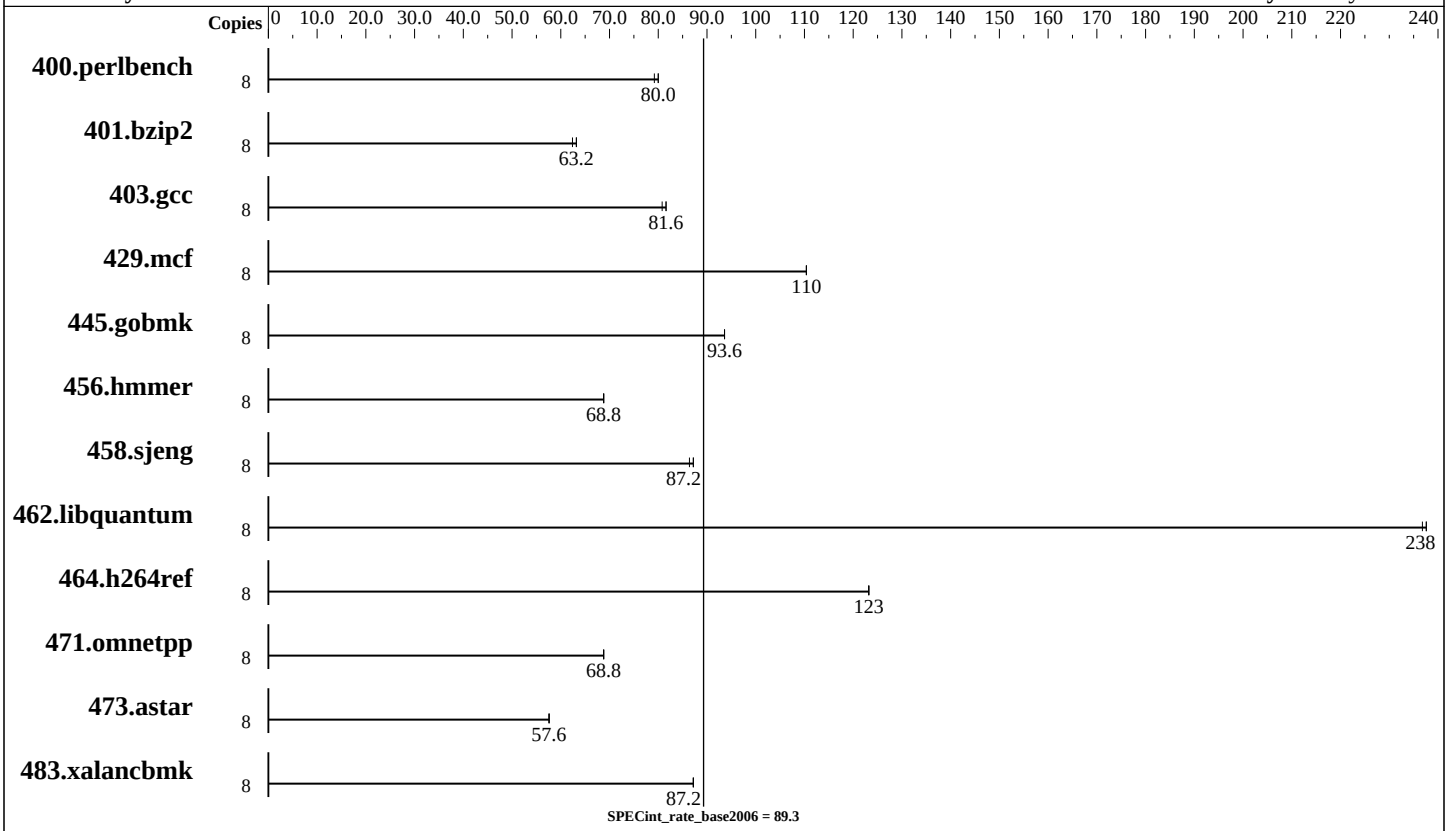
PowerEdge R610 (Intel Xeon E5530, 2.40 GHz)

SPECint®_rate2006 = Not Run

SPECint_rate_base2006 = 89.3

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

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



Hardware

CPU Name:	Intel Xeon E5530
CPU Characteristics:	Intel Turbo Boost Technology up to 2.66 GHz
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 cores/chip, 2 threads/core
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:	8 MB I+D on chip per chip
Other Cache:	None
Memory:	8 GB (2 x 4 GB DDR3-1066 DR RDIMM)
Disk Subsystem:	2 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:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	MicroQuill SmartHeap Library 8.1

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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	8	976	80.0	985	79.2	**980**	**80.0**							
401.bzip2	8	1226	63.2	1232	62.4	**1229**	**63.2**							
403.gcc	8	788	81.6	799	80.8	**791**	**81.6**							
429.mcf	8	660	110	661	110	**660**	**110**							
445.gobmk	8	898	93.6	**897**	**93.6**	896	93.6							
456.hmmer	8	1084	68.8	1082	68.8	**1082**	**68.8**							
458.sjeng	8	1116	86.4	**1112**	**87.2**	1111	87.2							
462.libquantum	8	**698**	**238**	698	238	700	237							
464.h264ref	8	**1437**	**123**	1437	123	1436	123							
471.omnetpp	8	725	68.8	723	68.8	**723**	**68.8**							
473.astar	8	981	57.6	**981**	**57.6**	980	57.6							
483.xalancbmk	8	631	87.2	631	87.2	**631**	**87.2**							

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 /F512000000
```

Continued on next page

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`

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

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