



SPEC® CINT2006 Result

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Fujitsu Siemens Computers ESPRIMO P5730

SPECint®_rate2006 = 28.3

SPECint_rate_base2006 = 26.0

CPU2006 license: 22

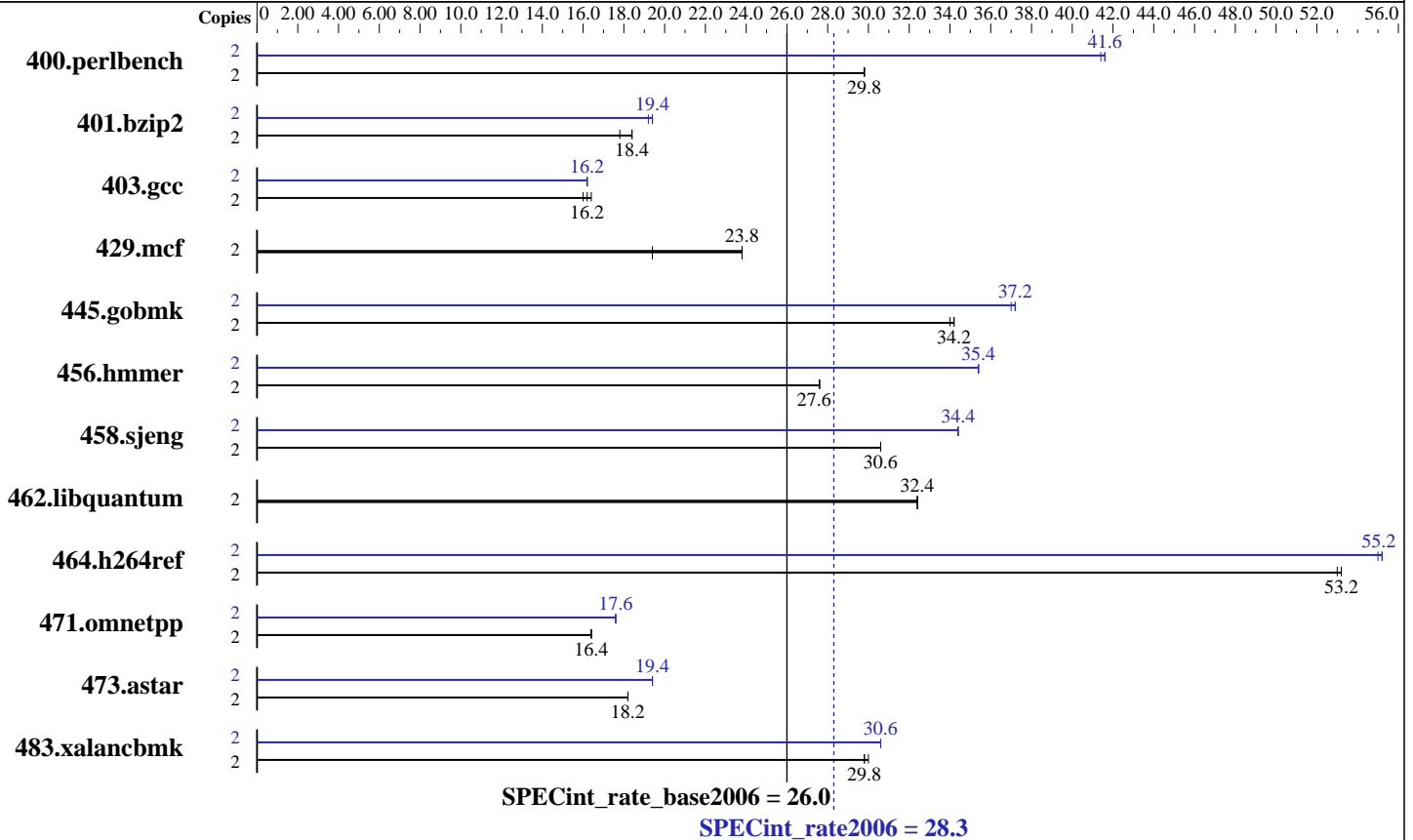
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Feb-2009

Hardware Availability: Feb-2009

Software Availability: Feb-2008



Hardware

CPU Name: Intel Pentium E5400
 CPU Characteristics:
 CPU MHz: 2700
 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: 2 MB I+D on chip per chip
 L3 Cache: None
 Other Cache: None
 Memory: 2 GB (2x1 GB PC2-6400U-666-12 SDRAM)
 Disk Subsystem: 1 x 250 GB SATA, 7200 RPM
 Other Hardware: None

Software

Operating System: Windows XP Professional x64 Edition SP2
 Compiler: Intel C++ Compiler for applications running on IA-32, Version 10.1, Build 20080212
 Intel C++ Compiler for applications running on Intel 64, Version 10.1, Build 20080212
 Microsoft Visual Studio 2005 with SP1 (for libraries)
 Auto Parallel: No
 File System: NTFS
 System State: Default
 Base Pointers: 32-bit
 Peak Pointers: 32/64-bit
 Other Software: SmartHeap Library Version 9 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	656	29.8	654	29.8	656	29.8	2	472	41.4	470	41.6	471	41.6
401.bzip2	2	1085	17.8	1051	18.4	1051	18.4	2	1004	19.2	1000	19.4	1000	19.4
403.gcc	2	996	16.2	1001	16.0	979	16.4	2	993	16.2	988	16.2	990	16.2
429.mcf	2	940	19.4	764	23.8	763	23.8	2	940	19.4	764	23.8	763	23.8
445.gobmk	2	616	34.0	615	34.2	612	34.2	2	565	37.2	565	37.2	566	37.0
456.hammer	2	677	27.6	677	27.6	677	27.6	2	527	35.4	527	35.4	527	35.4
458.sjeng	2	789	30.6	789	30.6	789	30.6	2	703	34.4	703	34.4	703	34.4
462.libquantum	2	1280	32.4	1280	32.4	1280	32.4	2	1280	32.4	1280	32.4	1280	32.4
464.h264ref	2	834	53.2	833	53.2	836	53.0	2	801	55.2	804	55.0	803	55.2
471.omnetpp	2	758	16.4	758	16.4	758	16.4	2	709	17.6	710	17.6	710	17.6
473.astar	2	772	18.2	775	18.2	771	18.2	2	724	19.4	724	19.4	724	19.4
483.xalancbmk	2	462	29.8	462	29.8	461	30.0	2	451	30.6	451	30.6	451	30.6

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

Operating System Notes

Screen Saver was disabled

Power scheme was modified to Always On; Turn off monitor: Never; Turn off hard disks: Never

Platform Notes

BIOS default settings have been used.

General Notes

For information about Fujitsu Siemens Computers please see:
<http://www.fujitsu-siemens.com>

Base Compiler Invocation

C benchmarks:

icl -Qvc8 -Qc99

C++ benchmarks:

icl -Qvc8



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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 -Qvec-guard-write -F512000000
```

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 (except as noted below):

```
icl -Qvc8 -Qc99
```

```
401.bzip2: C:\DevelTools\Intel\Compiler\C++\10.1.021\EM64T\Bin\icl.exe
```

```
-IC:\DevelTools\Intel\Compiler\C++\10.1.021\EM64T\Include
```

```
-link -LIBPATH:C:\DevelTools\Intel\Compiler\C++\10.1.021\EM64T\Lib
```

```
-link -LIBPATH:C:\ProgramFiles\MicrosoftVisualStudio8\VC\lib\AMD64
```

```
-link -LIBPATH:C:\ProgramFiles\MicrosoftVisualStudio8\VC\PlatformSDK\lib\AMD64
```

```
-link -LIBPATH:C:\ProgramFiles\MicrosoftVisualStudio8\VC\lib
```

```
456.hmmcr: C:\DevelTools\Intel\Compiler\C++\10.1.021\EM64T\Bin\icl.exe
```

```
-IC:\DevelTools\Intel\Compiler\C++\10.1.021\EM64T\Include
```

```
-link -LIBPATH:C:\DevelTools\Intel\Compiler\C++\10.1.021\EM64T\Lib
```

```
-link -LIBPATH:C:\ProgramFiles\MicrosoftVisualStudio8\VC\lib\AMD64
```

```
-link -LIBPATH:C:\ProgramFiles\MicrosoftVisualStudio8\VC\PlatformSDK\lib\AMD64
```

```
-link -LIBPATH:C:\ProgramFiles\MicrosoftVisualStudio8\VC\lib
```

C++ benchmarks:

```
icl -Qvc8
```



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Peak Portability Flags

401.bzip2: -DSPEC_CPU_P64
403.gcc: -DSPEC_CPU_WIN32
456.hmmer: -DSPEC_CPU_P64
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 -F512000000 shlW32M.lib -link -FORCE:MULTIPLE

401.bzip2: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qprefetch
-F512000000

403.gcc: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -F512000000

429.mcf: basepeak = yes

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

456.hmmer: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias -Qopt-multi-version-aggressive -F512000000

458.sjeng: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll4
-F512000000

462.libquantum: basepeak = yes

464.h264ref: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qunroll2
-Qansi-alias -F512000000

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qopt-ra-region-strategy=block -Qcxx_features -F512000000
shlW32M.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
shlW32M.lib -link -FORCE:MULTIPLE

483.xalancbmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -Qansi-alias
-Qcxx_features -F512000000 shlW32M.lib
-link -FORCE:MULTIPLE



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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/CPU2006_flags.20090713.html

You can also download the XML flags source by saving the following link:

http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.xml

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For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.1.
Report generated on Tue Jul 22 22:30:17 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 17 March 2009.