SPEC® CINT2006 Result

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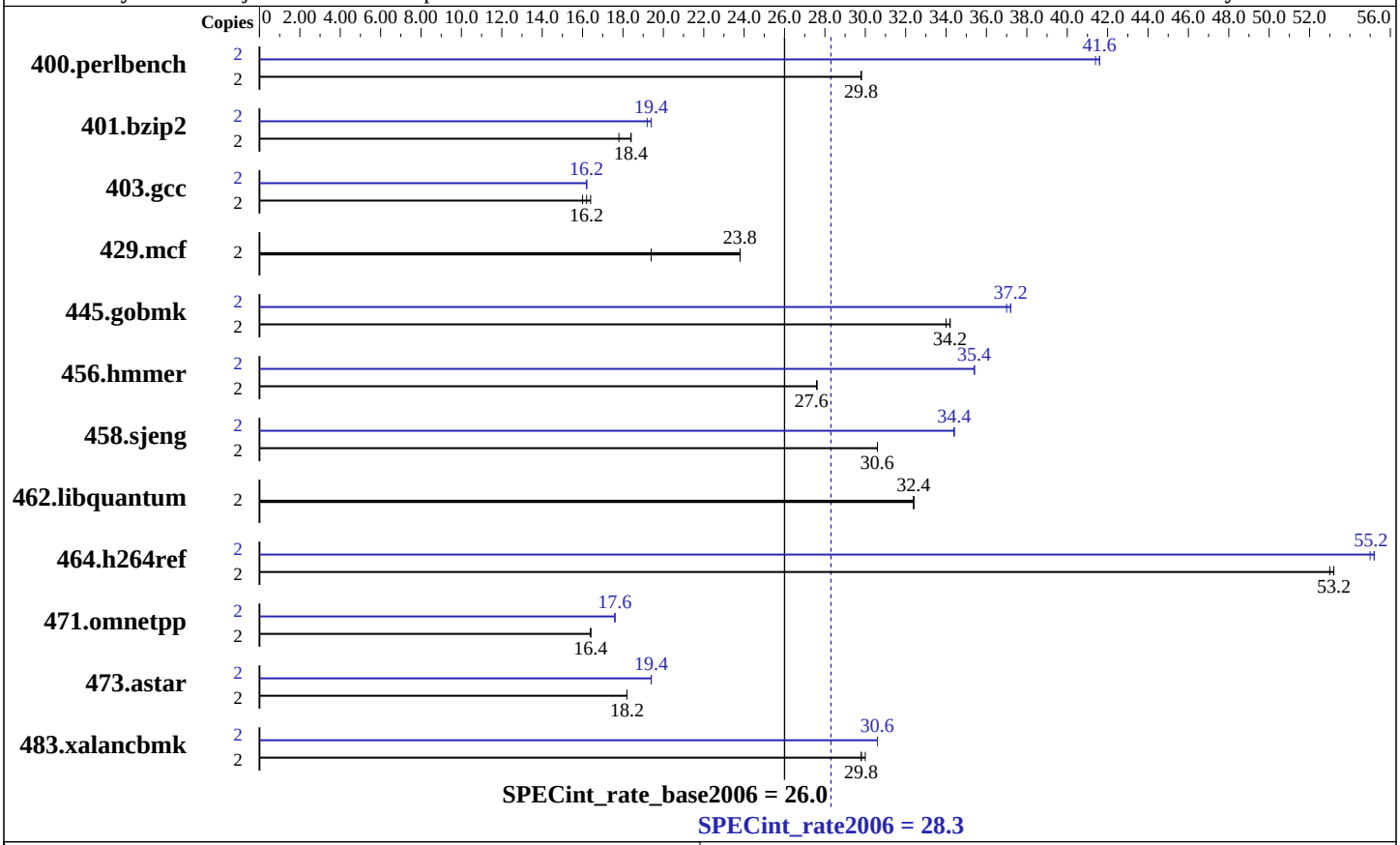
Fujitsu Siemens Computers ESPRIMO P5730

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.hmmer	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
```

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.hmmer: 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

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

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.

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