SPEC® CINT2006 Result

Fujitsu Siemens Computers

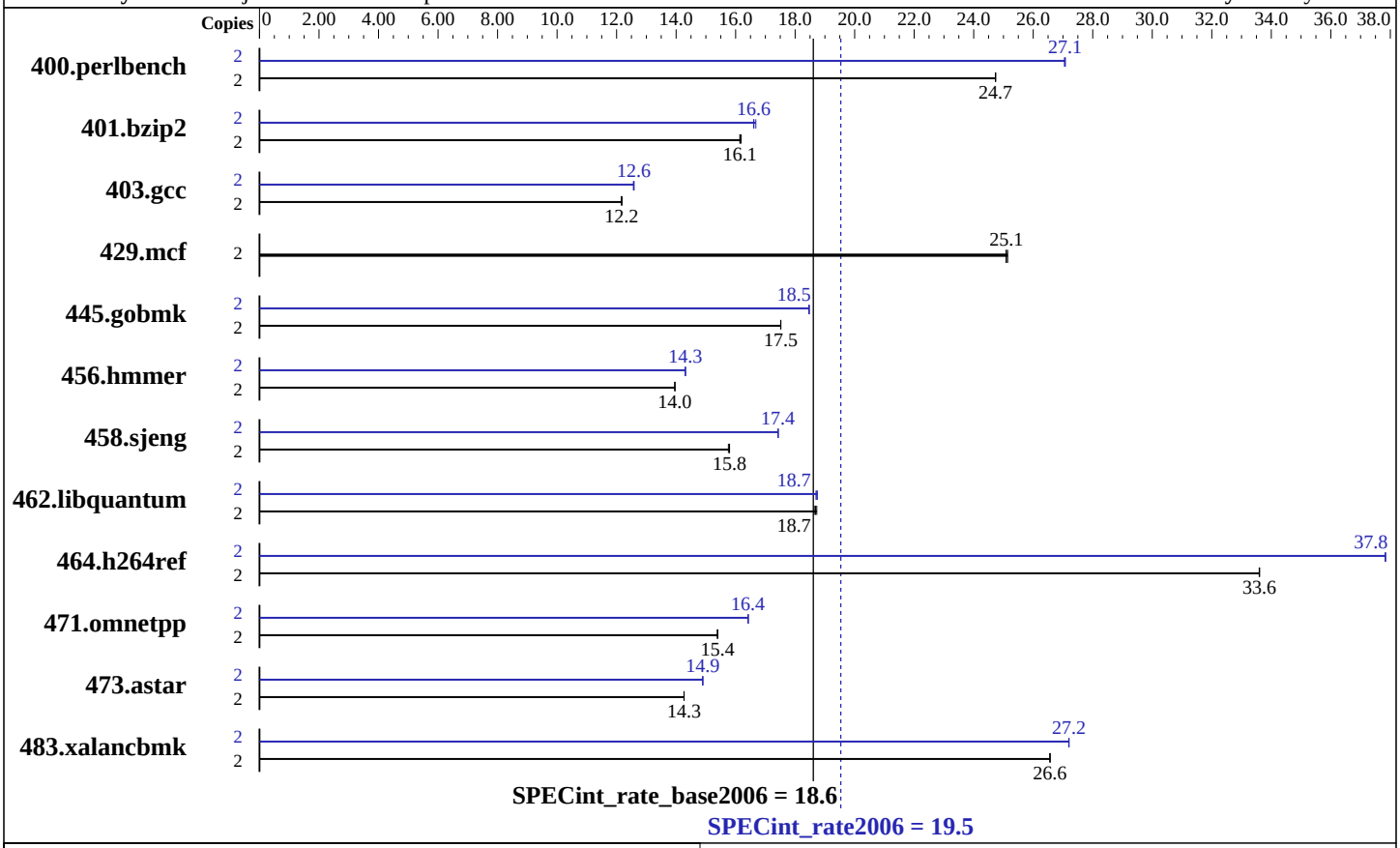
PRIMERGY TX150 S4, Intel Pentium D 940 processor, 3.20 GHz

SPECint®_rate2006 = 19.5

SPECint_rate_base2006 = 18.6

CPU2006 license: 22
Test sponsor: Fujitsu Siemens Computers
Tested by: Fujitsu Siemens Computers

Test date: Apr-2006
Hardware Availability: May-2006
Software Availability: May-2006



Hardware

CPU Name:	Intel Pentium D
CPU Characteristics:	Pentium D 940
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1 chip
Primary Cache:	12 K micro-ops I + 16 KB D on chip per core
Secondary Cache:	2 MB I+D on chip per core
L3 Cache:	None
Other Cache:	None
Memory:	8 GB (4x2 GB DDR2 PC2-4200E 2-Rank CAS 4-4-4)
Disk Subsystem:	Fujitsu MAS3367NC (SCSI, 15krpm, 36GB)
Other Hardware:	None

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition + SP1 (32Bit)
Compiler:	Intel C++ Compiler for 32-bit applications (Version 9.1) Intel Fortran Compiler for 32-bit applications (Version 9.1) Microsoft Visual Studio .NET 2003 (libr. & linker)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	SmartHeap Library, Version 8: shlW32M.lib

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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	**790**	**24.7**	790	24.7	790	24.7	2	722	27.0	722	27.1	**722**	**27.1**
401.bzip2	2	1192	16.2	**1195**	**16.1**	1196	16.1	2	1157	16.7	**1162**	**16.6**	1162	16.6
403.gcc	2	1322	12.2	**1322**	**12.2**	1324	12.2	2	1279	12.6	1281	12.6	**1280**	**12.6**
429.mcf	2	**727**	**25.1**	726	25.1	727	25.1	2	**727**	**25.1**	726	25.1	727	25.1
445.gobmk	2	**1198**	**17.5**	1198	17.5	1197	17.5	2	**1136**	**18.5**	1136	18.5	1137	18.5
456.hmmer	2	1337	14.0	**1337**	**14.0**	1337	14.0	2	1304	14.3	1304	14.3	**1304**	**14.3**
458.sjeng	2	1532	15.8	**1532**	**15.8**	1536	15.8	2	1388	17.4	1389	17.4	**1389**	**17.4**
462.libquantum	2	**2218**	**18.7**	2223	18.6	2213	18.7	2	**2213**	**18.7**	2216	18.7	2211	18.7
464.h264ref	2	1318	33.6	1317	33.6	**1317**	**33.6**	2	1170	37.8	1170	37.8	**1170**	**37.8**
471.omnetpp	2	**812**	**15.4**	812	15.4	812	15.4	2	**761**	**16.4**	761	16.4	761	16.4
473.astar	2	**984**	**14.3**	984	14.3	984	14.3	2	**943**	**14.9**	943	14.9	942	14.9
483.xalancbmk	2	520	26.6	**520**	**26.6**	519	26.6	2	507	27.2	507	27.2	**507**	**27.2**

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

General Notes

```
 The system bus runs at 800 MHz

 For information about Fujitsu Siemens Computers in your country please see:
http://fujitsu-siemens.com/countries
```

Base Compiler Invocation

C benchmarks:
```
icl -Qc99
```

C++ benchmarks:
```
icl -Qcxx-features
```

Base Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DWIN32 -DSPEC_CPU_NO_INTTYPES`

Base Optimization Flags

C benchmarks:
`-fast -F512000000 shlW32M.lib -link -FORCE:MULTIPLE`

C++ benchmarks:
`-fast -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`

429.mcf: `icl -Qc99`

462.libquantum: `icl -Qc99`

C++ benchmarks (except as noted below):
`icl`

471.omnetpp: `icl -Qcxx-features`

Peak Portability Flags

403.gcc: `-DSPEC_CPU_WIN32`
464.h264ref: `-DWIN32 -DSPEC_CPU_NO_INTTYPES`

Peak Optimization Flags

C benchmarks:

400.perlbench: `-Qprof_gen`(pass 1) `-Qprof_use`(pass 2) `-fast shlW32M.lib`

401.bzip2: `Same as 400.perlbench`

403.gcc: `Same as 400.perlbench`

Continued on next page

Peak Optimization Flags (Continued)

429.mcf: basepeak = yes

445.gobmk: Same as 400.perlbench

456.hmmer: Same as 400.perlbench

458.sjeng: Same as 400.perlbench

462.libquantum: Same as 400.perlbench

464.h264ref: Same as 400.perlbench

C++ benchmarks:

471.omnetpp: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast shlW32M.lib -link -FORCE:MULTIPLE

473.astar: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast shlW32M.lib

483.xalancbmk: -Qprof_gen(pass 1) -Qprof_use(pass 2) -fast -F512000000 shlW32M.lib

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.20090715.01.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/CPU2006_flags.20090715.01.xml

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

Tested with SPEC CPU2006 v91.
Report generated on Tue Jul 22 09:59:05 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 24 August 2006.