



# SPEC® CINT2006 Result

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## Fujitsu Siemens Computers

### SPECint®\_rate2006 = 32.4

## ESPRIMO P7935, Intel Core 2 Duo E7300

### SPECint\_rate\_base2006 = 29.6

CPU2006 license: 22

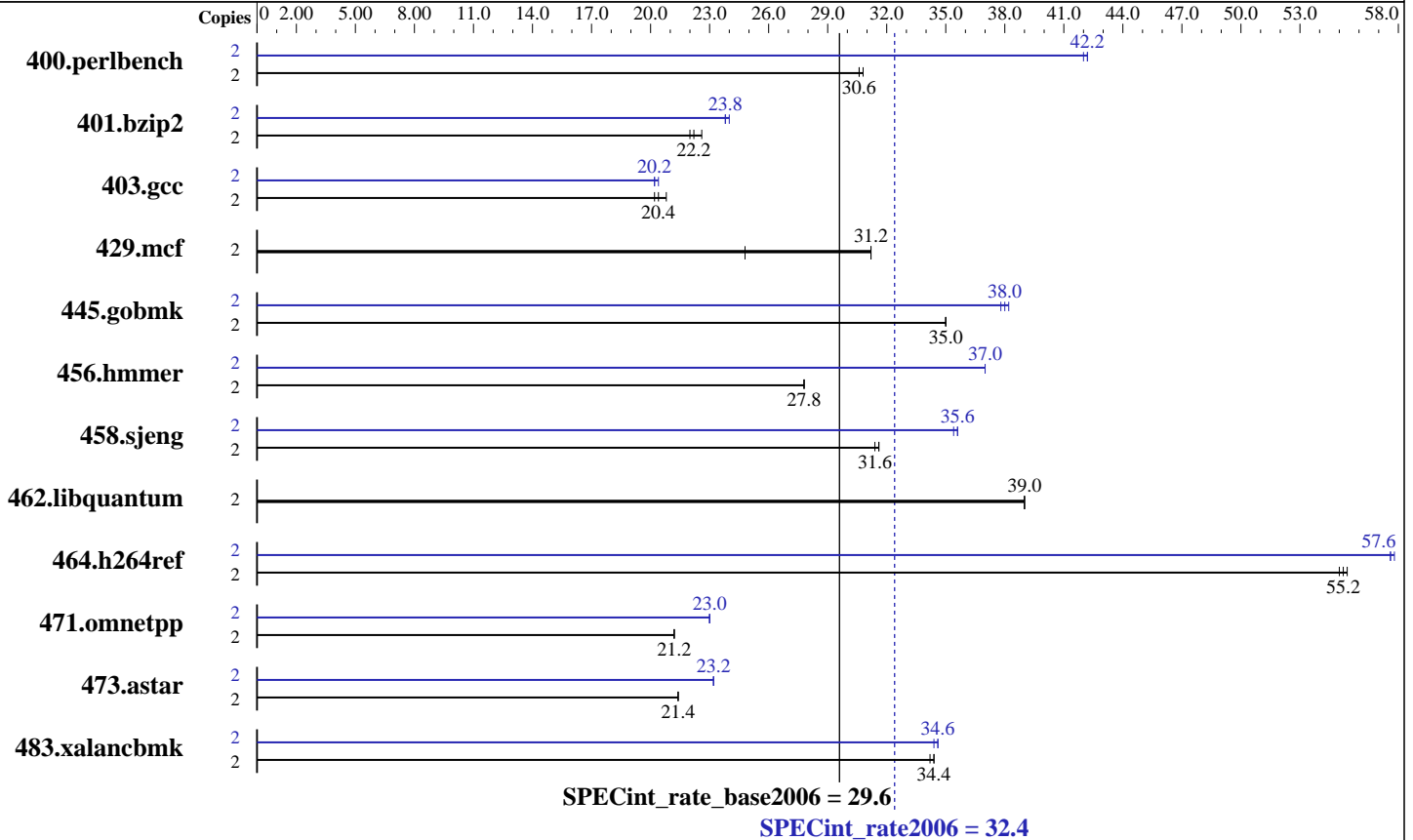
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Nov-2008

Hardware Availability: Jul-2008

Software Availability: Feb-2008



### Hardware

CPU Name: Intel Core 2 Duo E7300  
 CPU Characteristics: 2666  
 CPU MHz: 2666  
 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: 3 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-II, 8MB, 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	639	30.6	633	30.8	<b>638</b>	<b>30.6</b>	2	<b>464</b>	<b>42.2</b>	466	42.0	463	42.2
401.bzip2	2	879	22.0	<b>871</b>	<b>22.2</b>	857	22.6	2	809	23.8	<b>808</b>	<b>23.8</b>	804	24.0
403.gcc	2	<b>787</b>	<b>20.4</b>	777	20.8	796	20.2	2	796	20.2	<b>796</b>	<b>20.2</b>	786	20.4
429.mcf	2	735	24.8	<b>586</b>	<b>31.2</b>	585	31.2	2	735	24.8	<b>586</b>	<b>31.2</b>	585	31.2
445.gobmk	2	<b>598</b>	<b>35.0</b>	598	35.0	599	35.0	2	551	38.2	<b>552</b>	<b>38.0</b>	554	37.8
456.hammer	2	672	27.8	<b>672</b>	<b>27.8</b>	672	27.8	2	<b>505</b>	<b>37.0</b>	505	37.0	504	37.0
458.sjeng	2	768	31.4	768	31.6	<b>768</b>	<b>31.6</b>	2	682	35.4	<b>681</b>	<b>35.6</b>	681	35.6
462.libquantum	2	1062	39.0	<b>1062</b>	<b>39.0</b>	1062	39.0	2	1062	39.0	<b>1062</b>	<b>39.0</b>	1062	39.0
464.h264ref	2	<b>801</b>	<b>55.2</b>	804	55.0	800	55.4	2	768	57.6	<b>767</b>	<b>57.6</b>	767	57.8
471.omnetpp	2	588	21.2	<b>588</b>	<b>21.2</b>	587	21.2	2	544	23.0	545	23.0	<b>544</b>	<b>23.0</b>
473.astar	2	657	21.4	657	21.4	<b>657</b>	<b>21.4</b>	2	607	23.2	<b>607</b>	<b>23.2</b>	607	23.2
483.xalancbmk	2	401	34.4	<b>402</b>	<b>34.4</b>	403	34.2	2	400	34.4	<b>400</b>	<b>34.6</b>	400	34.6

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.bzp2: 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.hmmr: 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.hmmr: -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.hmmr: -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.20090713.01.html](http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.01.html)

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

[http://www.spec.org/cpu2006/flags/CPU2006\\_flags.20090713.01.xml](http://www.spec.org/cpu2006/flags/CPU2006_flags.20090713.01.xml)

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For questions about this result, please contact the tester.  
For other inquiries, please contact [webmaster@spec.org](mailto:webmaster@spec.org).

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