



# SPEC® CINT2006 Result

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Fujitsu Siemens Computers

SPECint®2006 = 17.6

CELSIUS H250, Intel Core 2 Duo T7700 processor

SPECint\_base2006 = 16.6

CPU2006 license: 22

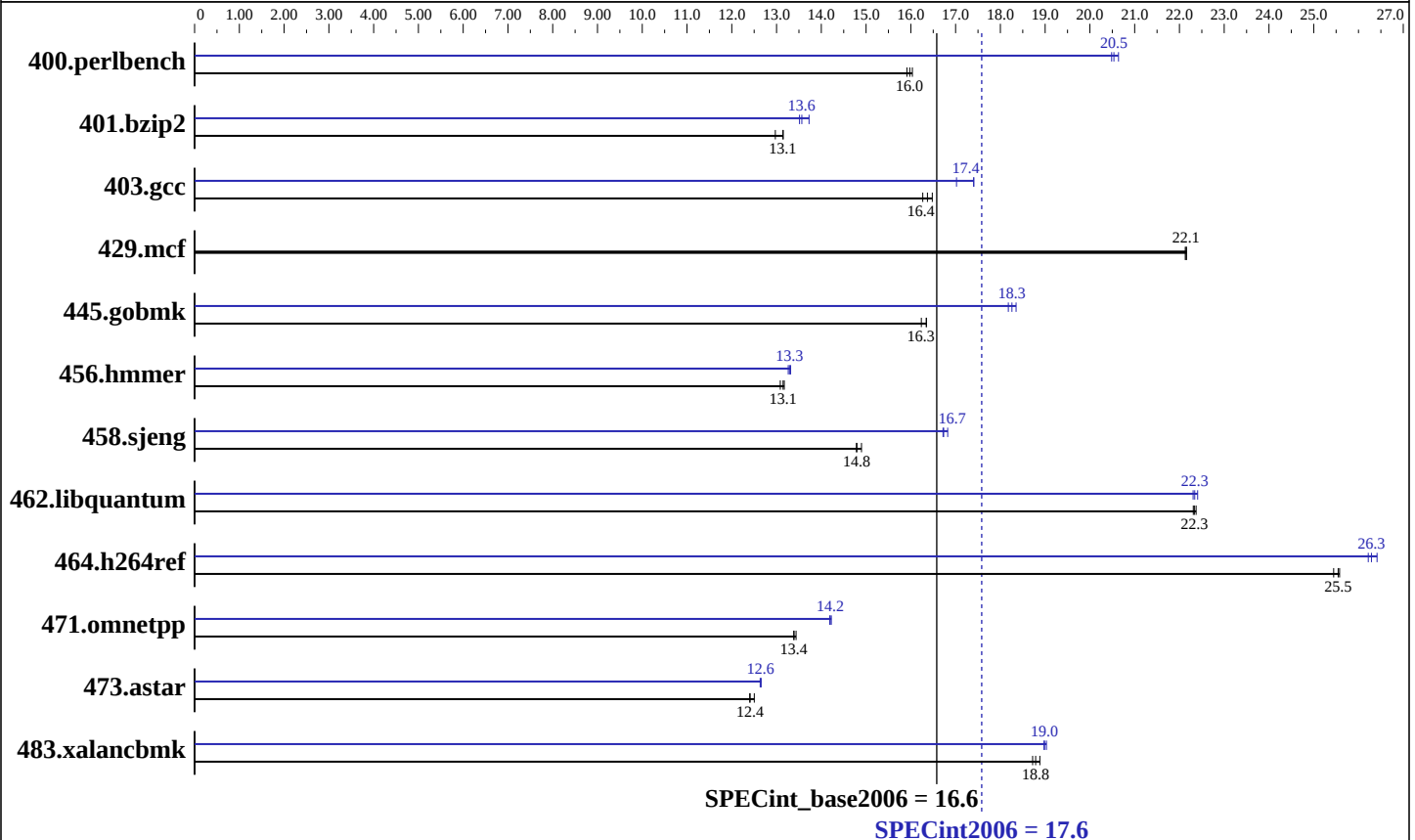
Test sponsor: Fujitsu Siemens Computers

Tested by: Fujitsu Siemens Computers

Test date: Jul-2007

Hardware Availability: Jul-2007

Software Availability: Jun-2007



## Hardware

CPU Name: Intel Core 2 Duo T7700  
CPU Characteristics: 2400  
CPU MHz: Integrated  
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: 4 MB I+D on chip per chip  
L3 Cache: None  
Other Cache: None  
Memory: 2 GB (2x1 GB 667 MHz CL5 DDR2 SDRAM)  
Disk Subsystem: 1 x 80 GB SATA 7200 RPM  
Other Hardware: None

## Software

Operating System: Windows Vista Ultimate, 64 bit Version  
Compiler: Intel C++ Compiler for applications  
running on IA-32, Version 10.0,  
Build 20070613, Package ID: W\_CC\_C\_10.0.026  
Microsoft Visual Studio 2005 with SP1 (for  
libraries)  
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              |                    |                   |                    |                   |                    |
|----------------|---------|-------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|
|                | Seconds | Ratio | Seconds           | Ratio              | Seconds           | Ratio              | Seconds           | Ratio              | Seconds           | Ratio              | Seconds           | Ratio              |
| 400.perlbench  | 609     | 16.0  | <b><u>612</u></b> | <b><u>16.0</u></b> | 614               | 15.9               | <b><u>473</u></b> | <b><u>20.6</u></b> | <b><u>476</u></b> | <b><u>20.5</u></b> | 477               | 20.5               |
| 401.bzip2      | 744     | 13.0  | 734               | 13.1               | <b><u>734</u></b> | <b><u>13.1</u></b> | <b><u>703</u></b> | <b><u>13.7</u></b> | <b><u>711</u></b> | <b><u>13.6</u></b> | 714               | 13.5               |
| 403.gcc        | 488     | 16.5  | <b><u>492</u></b> | <b><u>16.4</u></b> | 495               | 16.3               | <b><u>463</u></b> | <b><u>17.4</u></b> | 462               | 17.4               | 473               | 17.0               |
| 429.mcf        | 412     | 22.2  | 412               | 22.1               | <b><u>412</u></b> | <b><u>22.1</u></b> | <b><u>412</u></b> | <b><u>22.2</u></b> | 412               | 22.1               | <b><u>412</u></b> | <b><u>22.1</u></b> |
| 445.gobmk      | 642     | 16.3  | <b><u>642</u></b> | <b><u>16.3</u></b> | 646               | 16.2               | <b><u>572</u></b> | <b><u>18.4</u></b> | <b><u>575</u></b> | <b><u>18.3</u></b> | 577               | 18.2               |
| 456.hammer     | 708     | 13.2  | <b><u>710</u></b> | <b><u>13.1</u></b> | 713               | 13.1               | <b><u>701</u></b> | <b><u>13.3</u></b> | <b><u>702</u></b> | <b><u>13.3</u></b> | 704               | 13.3               |
| 458.sjeng      | 812     | 14.9  | <b><u>818</u></b> | <b><u>14.8</u></b> | 818               | 14.8               | <b><u>719</u></b> | <b><u>16.8</u></b> | <b><u>723</u></b> | <b><u>16.7</u></b> | 724               | 16.7               |
| 462.libquantum | 929     | 22.3  | <b><u>928</u></b> | <b><u>22.3</u></b> | 926               | 22.4               | <b><u>925</u></b> | <b><u>22.4</u></b> | 929               | 22.3               | <b><u>927</u></b> | <b><u>22.3</u></b> |
| 464.h264ref    | 870     | 25.4  | 865               | 25.6               | <b><u>866</u></b> | <b><u>25.5</u></b> | <b><u>838</u></b> | <b><u>26.4</u></b> | <b><u>842</u></b> | <b><u>26.3</u></b> | 844               | 26.2               |
| 471.omnetpp    | 467     | 13.4  | <b><u>467</u></b> | <b><u>13.4</u></b> | 465               | 13.4               | <b><u>439</u></b> | <b><u>14.2</u></b> | <b><u>440</u></b> | <b><u>14.2</u></b> | 441               | 14.2               |
| 473.astar      | 566     | 12.4  | <b><u>566</u></b> | <b><u>12.4</u></b> | 561               | 12.5               | <b><u>555</u></b> | <b><u>12.7</u></b> | <b><u>555</u></b> | <b><u>12.6</u></b> | 556               | 12.6               |
| 483.xalancbmk  | 369     | 18.7  | <b><u>367</u></b> | <b><u>18.8</u></b> | 365               | 18.9               | <b><u>363</u></b> | <b><u>19.0</u></b> | <b><u>363</u></b> | <b><u>19.0</u></b> | 364               | 19.0               |

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

## Platform Notes

BIOS default settings have been used.

## General Notes

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

## Compiler Invocation

C benchmarks:  
icl -Qvc8 -Qc99

C++ benchmarks:  
icl -Qvc8

## Portability Flags

403.gcc: -DSPEC\_CPU\_WIN32  
464.h264ref: -DSPEC\_CPU\_NO\_INTTYPES -DWIN32  
473.astar: -DSPEC\_CPU\_LITTLE\_ENDIAN  
483.xalancbmk: -Qoption, cpp, --no\_wchar\_t\_keyword



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## Base Optimization Flags

C benchmarks:

-fast -F512000000 -link -FORCE:MULTIPLE

C++ benchmarks:

-fast -Qcxx-features -F512000000 shlw32M.lib -link -FORCE:MULTIPLE

## Peak Optimization Flags

C benchmarks:

400.perlbench: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast -F512000000  
shlw32M.lib -link -FORCE:MULTIPLE

401.bzip2: Same as 400.perlbench

403.gcc: -Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast -F512000000  
-link -FORCE:MULTIPLE

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:

-Qprof\_gen(pass 1) -Qprof\_use(pass 2) -fast -Qcxx-features  
-F512000000 shlw32M.lib -link -FORCE:MULTIPLE

## 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.20070808.00.html](http://www.spec.org/cpu2006/flags/CPU2006_flags.20070808.00.html)

You can also download the XML flags source by saving the following link:  
[http://www.spec.org/cpu2006/flags/CPU2006\\_flags.20070808.00.xml](http://www.spec.org/cpu2006/flags/CPU2006_flags.20070808.00.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).

Tested with SPEC CPU2006 v1.0.  
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