SPEC® CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY RX100 S6, Intel Celeron G1101, 2.26 GHz

SPECint®2006 =   20.1

SPECint_base2006 =   18.5

CPU2006 license: 19	**Test date:** Jan-2010
Test sponsor: Fujitsu	**Hardware Availability:** Jan-2010
Tested by: Fujitsu	**Software Availability:** Nov-2009

400.perlbench 18.4 / 15.3
401.bzip2 10.5 / 10.4
403.gcc 15.2 / 13.4
429.mcf 24.3 / 20.0
445.gobmk 17.0 / 15.6
456.hmmer 21.3 / 20.8
458.sjeng 17.2 / 16.6
462.libquantum 121
464.h264ref 26.3 / 24.1
471.omnetpp 13.5 / 10.9
473.astar 11.2 / 11.1
483.xalancbmk 20.3

SPECint_base2006 = 18.5

SPECint2006 = 20.1

Hardware

CPU Name:	Intel Celeron G1101
CPU Characteristics:	
CPU MHz:	2267
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:	256 KB I+D on chip per core
L3 Cache:	2 MB I+D on chip per chip
Other Cache:	None
Memory:	8 GB (2x4 GB PC3-10600E, 2 rank, CL9-9-9, ECC, see add'l detail in notes)
Disk Subsystem:	1 x SATA, 250 GB, 7200 RPM
Other Hardware:	None

Software

Operating System:	SUSE Linux Enterprise Server 11 (x86_64), Kernel 2.6.27.19-5-smp
Compiler:	Intel C++ Professional Compiler for IA32 and Intel 64, Version 11.1 Build 20091012 Package ID: l_cproc_p_11.1.059
Auto Parallel:	Yes
File System:	ext3
System State:	Multi-User Run Level 3
Base Pointers:	64-bit
Peak Pointers:	32/64-bit
Other Software:	Microquill SmartHeap V8.1 Binutils 2.18.50.0.7.20080502

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY RX100 S6, Intel Celeron G1101, 2.26 GHz

$SPECint2006 =$ 20.1
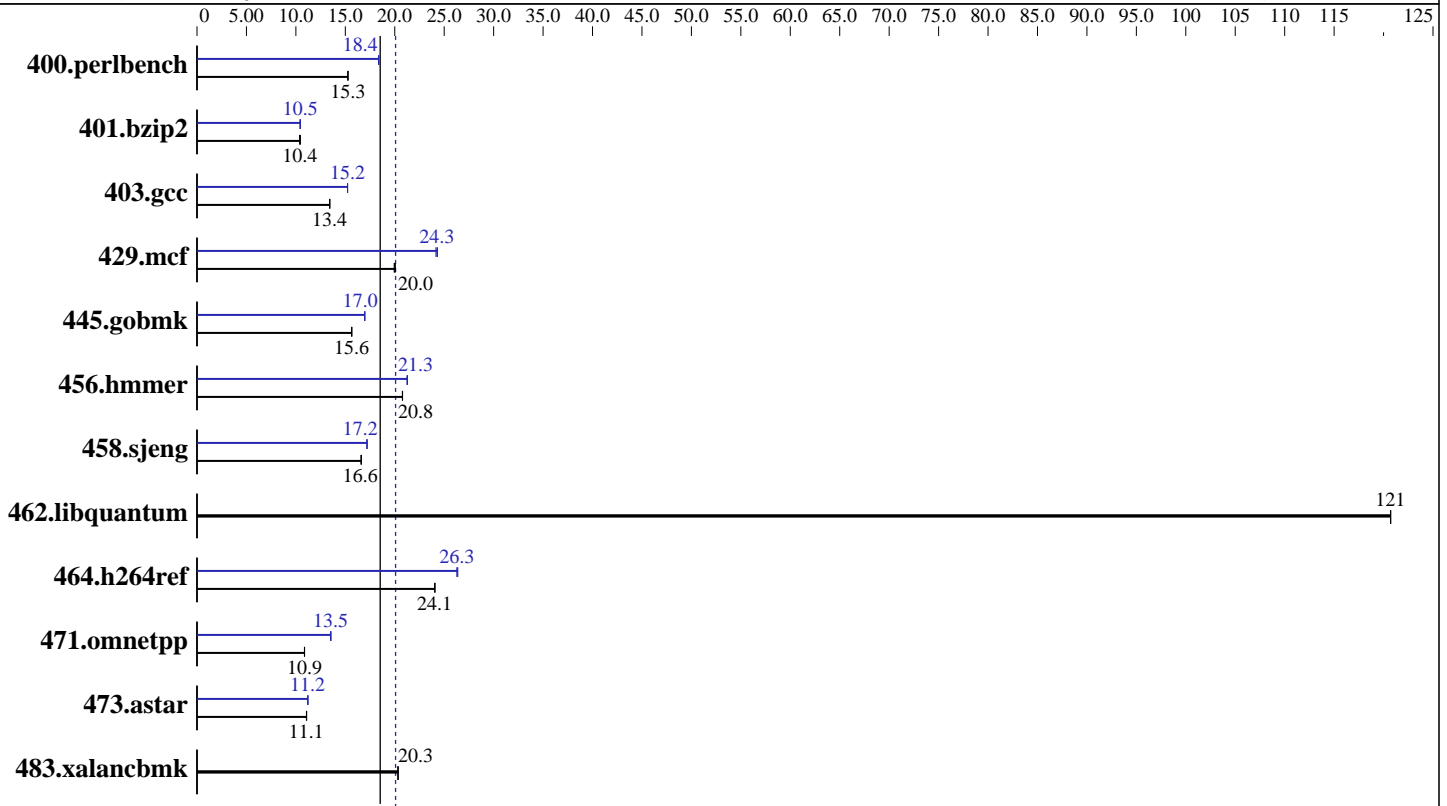
$SPECint\_base2006 =$ 18.5

CPU2006 license: 19
Test sponsor: Fujitsu
Tested by: Fujitsu

Test date: Jan-2010
Hardware Availability: Jan-2010
Software Availability: Nov-2009

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	640	15.3	640	15.3	**640**	**15.3**	532	18.4	**532**	**18.4**	532	18.4
401.bzip2	923	10.5	**926**	**10.4**	930	10.4	923	10.5	**923**	**10.5**	927	10.4
403.gcc	600	13.4	600	13.4	**600**	**13.4**	528	15.2	**529**	**15.2**	529	15.2
429.mcf	455	20.1	457	19.9	**457**	**20.0**	377	24.2	375	24.3	**376**	**24.3**
445.gobmk	**670**	**15.6**	671	15.6	670	15.7	618	17.0	**618**	**17.0**	619	17.0
456.hmmer	449	20.8	**449**	**20.8**	449	20.8	438	21.3	**439**	**21.3**	439	21.2
458.sjeng	728	16.6	**728**	**16.6**	729	16.6	703	17.2	**704**	**17.2**	704	17.2
462.libquantum	**172**	**121**	172	121	172	121	**172**	**121**	172	121	172	121
464.h264ref	919	24.1	**920**	**24.1**	921	24.0	**841**	**26.3**	842	26.3	839	26.4
471.omnetpp	**575**	**10.9**	575	10.9	575	10.9	463	13.5	**462**	**13.5**	461	13.6
473.astar	633	11.1	**634**	**11.1**	634	11.1	**626**	**11.2**	627	11.2	626	11.2
483.xalancbmk	339	20.4	340	20.3	**340**	**20.3**	339	20.4	340	20.3	**340**	**20.3**

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

Operating System Notes

'ulimit -s unlimited' was used to set the stacksize to unlimited prior to run

Platform Notes

The system automatically configures the memory to run at 1066 MHz.

General Notes

OMP_NUM_THREADS set to number of cores
KMP_AFFINITY set to granularity=fine,scatter
For information about Fujitsu please visit: http://www.fujitsu.com

Base Compiler Invocation

C benchmarks:
    icc -m64

C++ benchmarks:
    icpc -m64

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY RX100 S6, Intel Celeron G1101, 2.26 GHz

$SPECint2006 =$ 20.1

$SPECint\_base2006 =$ 18.5

CPU2006 license:	19	**Test date:**	Jan-2010
Test sponsor:	Fujitsu	**Hardware Availability:**	Jan-2010
Tested by:	Fujitsu	**Software Availability:**	Nov-2009

Base Portability Flags

```
    400.perlbench: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64
        401.bzip2: -DSPEC_CPU_LP64
          403.gcc: -DSPEC_CPU_LP64
          429.mcf: -DSPEC_CPU_LP64
        445.gobmk: -DSPEC_CPU_LP64
        456.hmmer: -DSPEC_CPU_LP64
        458.sjeng: -DSPEC_CPU_LP64
    462.libquantum: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX
      464.h264ref: -DSPEC_CPU_LP64
      471.omnetpp: -DSPEC_CPU_LP64
        473.astar: -DSPEC_CPU_LP64
    483.xalancbmk: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX
```

Base Optimization Flags

C benchmarks:
```
    -xSSSE3 -ipo -O3 -no-prec-div -static -parallel
    -par-runtime-control -opt-prefetch
```

C++ benchmarks:
```
    -xSSSE3 -ipo -O3 -no-prec-div -opt-prefetch -Wl,-z,muldefs
    -L/home/cmplr/usr3/alrahate/cpu2006.1.1.ic11.1/libic11.1-64bit -lsmartheap64
```

Base Other Flags

C benchmarks:

```
    403.gcc: -Dalloca=_alloca
```

Peak Compiler Invocation

C benchmarks (except as noted below):
```
    icc  -m64
```

```
    429.mcf: icc -m32
```

C++ benchmarks (except as noted below):
```
    icpc -m64
```

```
    471.omnetpp: icpc -m32
```

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY RX100 S6, Intel Celeron G1101, 2.26 GHz

$SPECint2006 =$ 20.1

$SPECint\_base2006 =$ 18.5

CPU2006 license: 19	**Test date:** Jan-2010
Test sponsor: Fujitsu	**Hardware Availability:** Jan-2010
Tested by: Fujitsu	**Software Availability:** Nov-2009

Peak Portability Flags

```
     400.perlbench: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64
         401.bzip2: -DSPEC_CPU_LP64
           403.gcc: -DSPEC_CPU_LP64
        445.gobmk: -DSPEC_CPU_LP64
        456.hmmer: -DSPEC_CPU_LP64
         458.sjeng: -DSPEC_CPU_LP64
    462.libquantum: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX
        464.h264ref: -DSPEC_CPU_LP64
         473.astar: -DSPEC_CPU_LP64
    483.xalancbmk: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX
```

Peak Optimization Flags

C benchmarks:

```
     400.perlbench: -prof-gen(pass 1) -prof-use(pass 2) -xSSSE3 -ipo -O3
                    -no-prec-div -static -ansi-alias -opt-prefetch

         401.bzip2: -prof-gen(pass 1) -prof-use(pass 2) -xSSSE3 -ipo -O3
                    -no-prec-div -static -auto-ilp32 -opt-prefetch
                    -ansi-alias

           403.gcc: -xSSSE3 -ipo -O3 -no-prec-div -static -inline-calloc
                    -opt-malloc-options=3

           429.mcf: -xSSSE3 -ipo -O3 -no-prec-div -static -opt-prefetch

        445.gobmk: -prof-gen(pass 1) -prof-use(pass 2) -xSSSE3 -O2 -ipo
                    -no-prec-div -ansi-alias

        456.hmmer: -xSSSE3 -ipo -O3 -no-prec-div -static -unroll2
                    -ansi-alias -auto-ilp32

         458.sjeng: -prof-gen(pass 1) -prof-use(pass 2) -xSSSE3 -ipo -O3
                    -no-prec-div -static -unroll4

    462.libquantum: basepeak = yes

        464.h264ref: -prof-gen(pass 1) -prof-use(pass 2) -xSSSE3 -ipo -O3
                    -no-prec-div -static -unroll2 -ansi-alias
```

C++ benchmarks:

```
       471.omnetpp: -prof-gen(pass 1) -prof-use(pass 2) -xSSSE3 -ipo -O3
                    -no-prec-div -ansi-alias -opt-ra-region-strategy=block
                    -Wl,-z,muldefs
                    -L/home/cmplr/usr3/alrahate/cpu2006.1.1.ic11.1/libic11.1-32bit -lsmartheap
```

Continued on next page

SPEC CINT2006 Result
Copyright 2006-2014 Standard Performance Evaluation Corporation

Fujitsu

PRIMERGY RX100 S6, Intel Celeron G1101, 2.26 GHz

SPECint2006 =   20.1

SPECint_base2006 =   18.5

CPU2006 license: 19	**Test date:**	Jan-2010
Test sponsor: Fujitsu	**Hardware Availability:**	Jan-2010
Tested by: Fujitsu	**Software Availability:**	Nov-2009

Peak Optimization Flags (Continued)

473.astar: `-prof-gen(pass 1) -prof-use(pass 2) -xSSSE3 -ipo -O3`
`-no-prec-div -ansi-alias -opt-ra-region-strategy=routine`
`-Wl,-z,muldefs`
`-L/home/cmplr/usr3/alrahate/cpu2006.1.1.ic11.1/libic11.1-64bit -lsmartheap64`

483.xalancbmk: `basepeak = yes`

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/Intel-ic11.1-int-linux64-revE.20100202.html

You can also download the XML flags source by saving the following link:
http://www.spec.org/cpu2006/flags/Intel-ic11.1-int-linux64-revE.20100202.xml

SPEC and SPECint are registered trademarks of the Standard Performance
Evaluation Corporation. All other brand and product names appearing in
this result are trademarks or registered trademarks of their respective
holders.

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

Tested with SPEC CPU2006 v1.1.
Report generated on Wed Jul 23 06:26:24 2014 by SPEC CPU2006 PS/PDF formatter v6932.
Originally published on 16 February 2010.