CINT2000 Result

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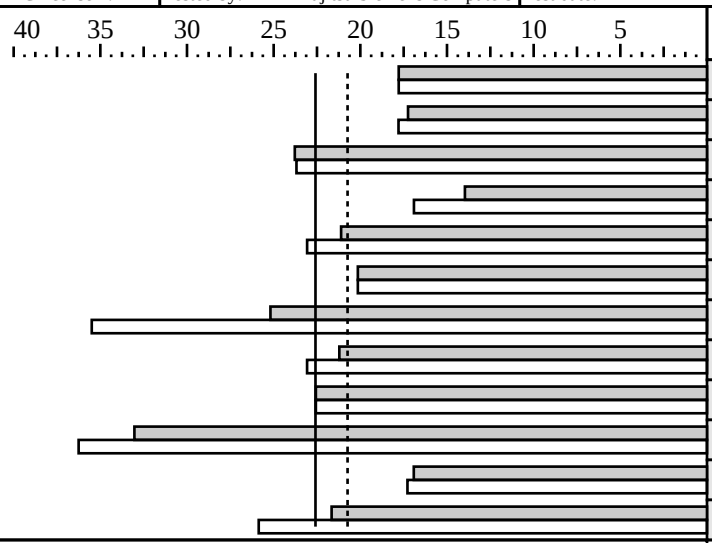
Fujitsu Siemens Computers
PRIMERGY BX630, AMD Opteron (TM) 254

SPECint_rate2000 = 22.6

SPECint_rate_base2000 = 20.7

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Jan-2006 | Hardware Avail: Feb-2006 | Software Avail: Mar-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	91.3	17.8	1	91.3	17.8
175.vpr	1	94.2	17.2	1	91.3	17.8
176.gcc	1	53.7	23.8	1	53.9	23.7
181.mcf	1	150	14.0	1	124	16.9
186.crafty	1	55.0	21.1	1	50.3	23.1
197.parser	1	104	20.1	1	104	20.1
252.eon	1	59.9	25.2	1	42.5	35.5
253.perlbmk	1	98.4	21.2	1	90.5	23.1
254.gap	1	56.5	22.6	1	56.5	22.6
255.vortex	1	66.7	33.0	1	60.8	36.3
256.bzip2	1	103	16.9	1	101	17.3
300.twolf	1	161	21.7	1	135	25.9

Hardware

CPU:	AMD Opteron (TM) 254 processor (2.80 GHz)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip, per core
Secondary Cache:	1024KB (I+D) on chip, per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB DDR-RAM PC3200R CL3-3-3
Disk Subsystem:	Western Digital WD2500 (SATA, 7.2krpm)
Other Hardware:	None

Software

Operating System:	Windows Server 2003 Enterprise Edition + SP1
Compiler:	Intel C++ 8.0 Build 20040318Z (for 32-bit applications), Microsoft Visual Studio .Net 2003 7.1.3088 (for libraries), SmartHeap Library Version 8.0 from http://www.microquill.com
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
GENERAL
+FDO: PASS1= -Qprof_gen  PASS2= -Qprof_use

Portability flags
   176.gcc:     -Dalloca=_alloca /F10000000
   186.crafty:  -DNT_i386
   253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
   254.gap:     -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Base tuning flags
   for C programs:   -fast -arch:SSE2 -Oi- +FDO
   for C++ programs: -fast -GX -GR +FDO

Peak tuning flags
   164.gzip:    basepeak=yes
   175.vpr:     -fast -arch:SSE2 -Qoption,c,-ip_ninl_max_stats=2000,
                -ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes
   176.gcc:     -fast -arch:SSE2 -Oi- -Qunroll3 +FDO shlw32M.lib
   181.mcf:     -fast -QaxN +FDO shlw32M.lib
   186.crafty:  -fast -arch:SSE2 +FDO ONESTEP=yes shlw32M.lib
```

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Notes/Tuning Information (Continued)

```
    197.parser:  basepeak=yes
    252.eon:     -fast -arch:SSE2 -Qansi_alias -Qoption,c,-ip_ninl_max_stats=2000,
                 -ip_ninl_max_total_stats=4500 +FDO ONESTEP=yes shlw32M.lib
    253.perlbmk: -fast -arch:SSE2 -Oi- +FDO ONESTEP=yes shlw32M.lib
    254.gap:     basepeak=yes
    255.vortex:  -fast -arch:SSE -Oi- -Qoption,c,-ip_ninl_max_stats=2000,
                 -ip_ninl_max_total_stats=4500 +FDO shlw32M.lib
    256.bzip2:   -fast -Qunroll2 shlw32M.lib
    300.twolf:   -fast -arch:SSE2 -Qansi_alias +FDO ONESTEP=yes shlw32M.lib


boot options:  /Execute /NOPAE
               /USEPMTIMER
BIOS settings: Memory Timing: 1T
               DRAM Bank Interleave=AUTO

This result was measured with 32-bit binaries using the 32-bit version of
the operating system.

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http://www.fujitsu-siemens.com/countries
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