CINT2000 Result

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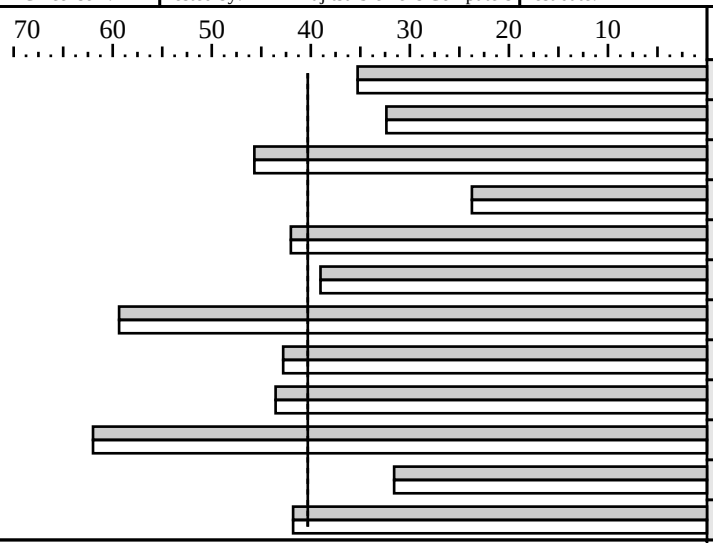
Fujitsu Siemens Computers

PRIMERGY RX220, AMD Opteron (TM) 254

SPECint_rate2000 = 40.3

SPECint_rate_base2000 = 40.3

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Sep-2005 | Hardware Avail: Nov-2005 | Software Avail: Apr-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	92.1	35.3	2	92.1	35.3
175.vpr	2	100	32.4	2	100	32.4
176.gcc	2	55.8	45.7	2	55.8	45.7
181.mcf	2	176	23.7	2	176	23.7
186.crafty	2	55.2	42.0	2	55.2	42.0
197.parser	2	107	39.0	2	107	39.0
252.eon	2	50.8	59.4	2	50.8	59.4
253.perlbmk	2	97.6	42.8	2	97.6	42.8
254.gap	2	58.6	43.6	2	58.6	43.6
255.vortex	2	71.1	62.0	2	71.1	62.0
256.bzip2	2	110	31.6	2	110	31.6
300.twolf	2	167	41.8	2	167	41.8

Hardware

CPU:	AMD Opteron (TM) 254 processor (2.80 GHz)
CPU MHz:	2800
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	64KBI + 64KBD on chip
Secondary Cache:	1024KB (I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x2048MB DDR-RAM PC3200R
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 20040415Z (for 32-bit applications), Microsoft Visual Studio .NET 7.0.9466 (libraries)
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 -arch:SSE2 -GX -GR

Peak tuning flags
   same as baseline (basepeak=yes set globally)


'start /b /wait /affinity' command is used to bind CPU(s) to processes
boot options: /NoExecute=alwaysoff
```

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Notes/Tuning Information (Continued)

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

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