CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

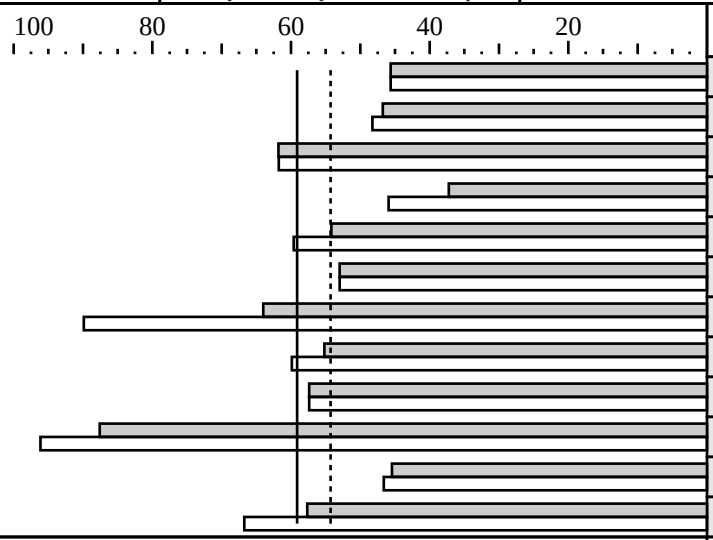
Fujitsu Siemens Computers

PRIMERGY RX220, AMD Opteron (TM) 265

SPECint_rate2000 = 59.1

SPECint_rate_base2000 = 54.3

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Jan-2006 | Hardware Avail: Dec-2005 | Software Avail: Mar-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	142	45.6	4	142	45.6
175.vpr	4	139	46.8	4	135	48.3
176.gcc	4	82.6	61.8	4	82.6	61.8
181.mcf	4	224	37.2	4	182	45.9
186.crafty	4	85.6	54.2	4	77.8	59.6
197.parser	4	158	53.0	4	158	53.0
252.eon	4	94.3	64.0	4	67.1	89.9
253.perlbmk	4	151	55.2	4	139	59.9
254.gap	4	89.0	57.4	4	89.0	57.4
255.vortex	4	101	87.6	4	91.7	96.1
256.bzip2	4	153	45.4	4	149	46.6
300.twolf	4	241	57.7	4	209	66.7

Hardware

CPU:	AMD Opteron (TM) 265 processor (1.80 GHz)
CPU MHz:	1800
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/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:	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 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
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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


'start /b /wait /affinity' command is used to bind CPU(s) to processes

boot options:  /noexecute=alwaysoff
               /USEPMTIMER
BIOS settings: Memory timing=1T

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

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