CINT2000 Result

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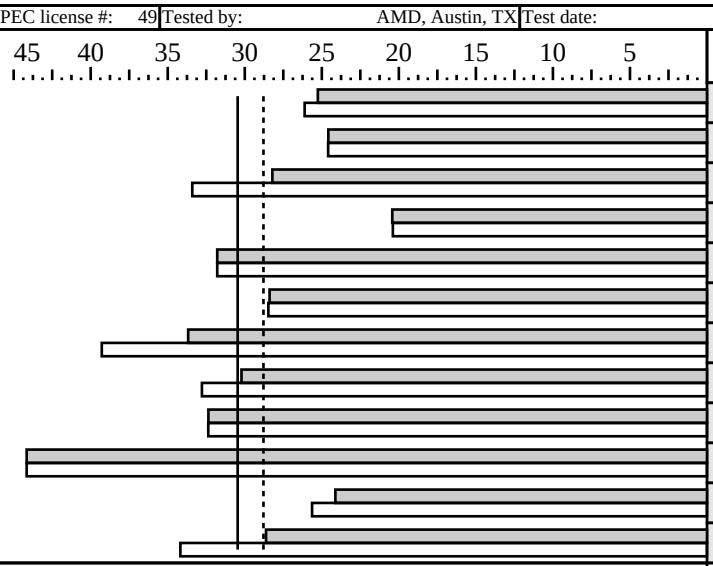
Advanced Micro Devices

Rioworks HDAMA Motherboard, AMD Opteron 246

SPECint_rate2000 = 30.5

SPECint_rate_base2000 = 28.8

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Jul-2003 | Hardware Avail: Aug-2003 | Software Avail: May-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	129	25.3	2	124	26.1
175.vpr	2	132	24.6	2	132	24.6
176.gcc	2	90.5	28.2	2	76.4	33.4
181.mcf	2	204	20.4	2	205	20.4
186.crafty	2	73.0	31.8	2	73.0	31.8
197.parser	2	147	28.4	2	147	28.5
252.eon	2	89.6	33.7	2	76.8	39.3
253.perlbmk	2	138	30.2	2	127	32.8
254.gap	2	78.9	32.4	2	78.8	32.4
255.vortex	2	99.8	44.2	2	99.8	44.2
256.bzip2	2	144	24.1	2	136	25.6
300.twolf	2	243	28.6	2	204	34.2

Hardware

CPU:	AMD Opteron 246
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip
CPU(s) orderable:	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:	8x512MB PC2700 DDR SDRAM CL2.5
Disk Subsystem:	120GB 7200 RPM IDE
Other Hardware:	None

Software

Operating System:	Microsoft Windows 2003 Server, Enterprise Edition
Compiler:	Intel C/C++ 7.0 build 20021212Z Microsoft Visual Studio .NET 7.0.9466 (libraries) MicroQuill Smartheap Library 6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
shlW32M6.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Portability:
  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
Baseline C:           +FDO -O3 -QxW  -Qipo
Baseline C++:         +FDO           -Qipo -GX  -GR
Peak tuning:
  164.gzip:           +FDO -O3 -QaxK -Qipo -Oi-
  175.vpr:            +FDO -O3 -QxW  -Qipo
  176.gcc:            +FDO -O3 -QxK  -Qipo -Oi-
  181.mcf:            +FDO           -Qipo -Oa
  186.crafty:         +FDO -O3 -QxW  -Qipo
  197.parser:         +FDO -O3 -QxW  -Qipo -Oa
  252.eon:            +FDO -O3 -QaxW -Qipo -Zp4
  253.perlbmk:        +FDO -O3       -Qipo -Oa  shlW32M6.lib
  254.gap:            +FDO -O3 -QxW  -Qipo
  255.vortex:         basepeak=1
```

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Notes/Tuning Information (Continued)

```
   256.bzip2:           +FDO           -Qipo -Oa  -Qunroll1
   300.twolf:           +FDO     -Qxi  -Qipo      shlW32M6.lib
 ONESTEP is used for all base and peak runs
The tested system can be assembled using an ATX case such as the Antec KS-282,
a 460W power supply, like a Sparkle FPS460-60PFN.
```