CINT2000 Result

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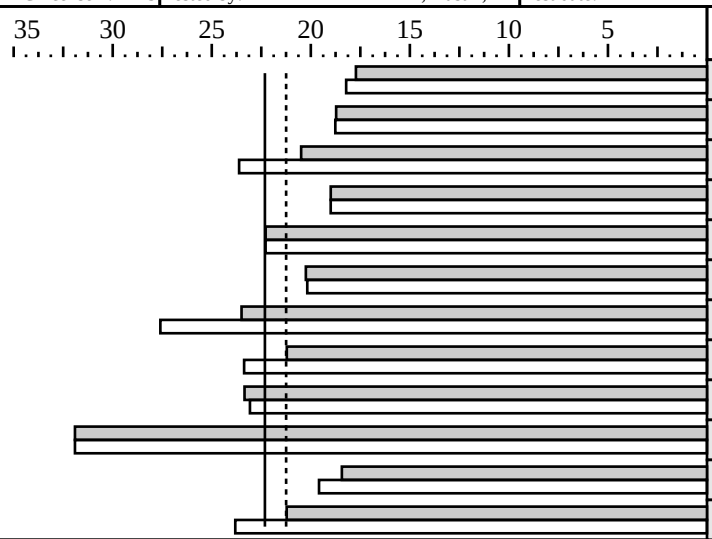
Advanced Micro Devices

Rioworks HDAMA, AMD Opteron (TM) Model 240 EE

SPECint_rate2000 = 22.3

SPECint_rate_base2000 = 21.2

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Feb-2004 | Hardware Avail: Feb-2004 | Software Avail: May-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	183	17.7	2	178	18.2
175.vpr	2	174	18.7	2	173	18.8
176.gcc	2	125	20.5	2	108	23.6
181.mcf	2	220	19.0	2	220	19.0
186.crafty	2	104	22.3	2	104	22.3
197.parser	2	206	20.3	2	207	20.2
252.eon	2	128	23.5	2	109	27.6
253.perlbmk	2	197	21.2	2	179	23.4
254.gap	2	109	23.3	2	111	23.1
255.vortex	2	138	31.9	2	138	31.9
256.bzip2	2	189	18.4	2	178	19.6
300.twolf	2	328	21.2	2	292	23.8

Hardware

CPU:	AMD Opteron (TM) Model 240 EE
CPU MHz:	1400
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:	4x512MB PC3200 DDR SDRAM, ECC Registered
Disk Subsystem:	SCSI, Seagate Cheetah ST336753LW, Ultra 320
Other Hardware:	None

Software

Operating System:	Microsoft Windows 2003 Enterprise Server
Compiler:	Intel C/C++ 7.0 build 20021212Z Microsoft Visual Studio .NET 7.0.9466 (for 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 such as the SPI Sparkle 460w and an AGP video card
BIOS version: 1.82
```