CINT2000 Result

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Advanced Micro Devices

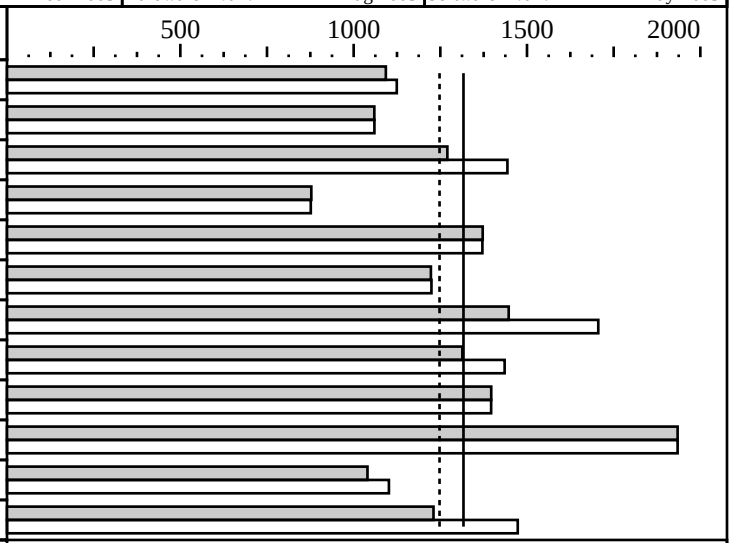
Rioworks HDAMA Motherboard, AMD Opteron 246

SPECint2000 = 1317

SPECint_base2000 = 1248

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	128	1093	125	1124
175.vpr	1400	132	1060	132	1060
176.gcc	1100	86.6	1270	76.2	1444
181.mcf	1800	205	878	205	876
186.crafty	1000	72.9	1372	72.9	1371
197.parser	1800	147	1223	147	1224
252.eon	1300	89.8	1447	76.2	1706
253.perlbmk	1800	137	1314	125	1436
254.gap	1100	78.8	1397	78.8	1397
255.vortex	1900	98.2	1934	98.2	1934
256.bzip2	1500	144	1040	136	1102
300.twolf	3000	244	1230	204	1473



Hardware

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

Software

Operating System:	Microsoft Windows Server 2003, Enterprise Edition
Compiler:	Intel C/C++ 7.0 build 20021212Z Microsoft Visual Studio .NET (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:           +FD0 -O3 -QxW  -Qipo
Baseline C++:         +FD0           -Qipo -GX  -GR
Peak tuning:
  164.gzip:           +FD0 -O3 -QaxK -Qipo -Oi-
  175.vpr:            +FD0 -O3 -QxW  -Qipo
  176.gcc:            +FD0 -O3 -QxK  -Qipo -Oi-
  181.mcf:            +FD0           -Qipo -Oa
  186.crafty:         +FD0 -O3 -QxW  -Qipo
  197.parser:         +FD0 -O3 -QxW  -Qipo -Oa
  252.eon:            +FD0 -O3 -QaxW -Qipo -Zp4
  253.perlbmk:        +FD0 -O3       -Qipo -Oa  shlW32M6.lib
  254.gap:            +FD0 -O3 -QxW  -Qipo
  255.vortex:         basepeak=1
```

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Notes/Tuning Information (Continued)

```
   256.bzip2:           +FD0           -Qipo -Oa  -Qunroll1
   300.twolf:           +FD0     -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.
```