CINT2000 Result

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Advanced Micro Devices

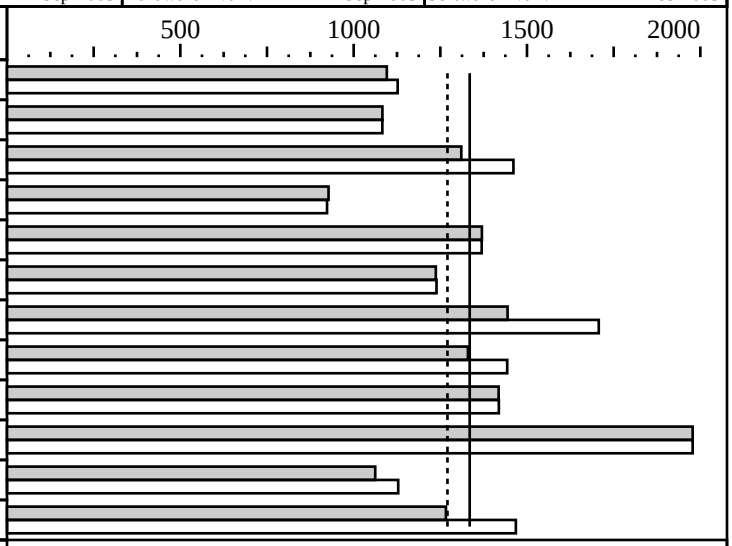
ASUS SK8N Motherboard, AMD Opteron (TM) 146

SPECint2000 = 1335

SPECint_base2000 = 1271

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	128	1096	124	1127
175.vpr	1400	129	1083	129	1083
176.gcc	1100	83.9	1310	75.3	1461
181.mcf	1800	194	928	195	923
186.crafty	1000	73.0	1370	73.0	1369
197.parser	1800	146	1237	145	1239
252.eon	1300	90.0	1444	76.2	1707
253.perlbmk	1800	135	1330	125	1443
254.gap	1100	77.6	1418	77.5	1419
255.vortex	1900	96.1	1978	96.1	1978
256.bzip2	1500	141	1062	133	1128
300.twolf	3000	237	1266	204	1468



Hardware

CPU:	AMD Opteron (TM) 146
CPU MHz:	2000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
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 PC3200 DDR SDRAM ECC Registered, CL2.5
Disk Subsystem:	SATA, Western Digital WD360GD, 10k rpm
Other Hardware:	None

Software

Operating System:	Microsoft Windows XP Professional (SP1a)
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
ECC on, ECC scrubbing off
```