CINT2000 Result

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Advanced Micro Devices

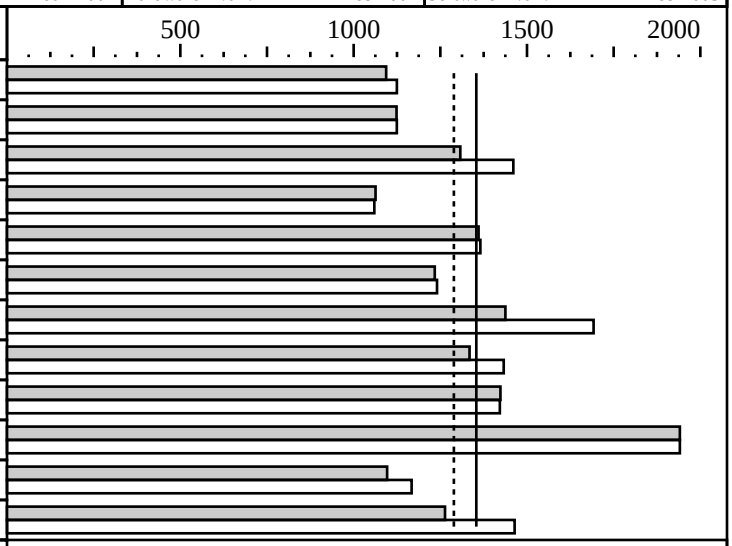
ASUS SK8N Motherboard, AMD Opteron (TM) Model 146 HE

SPECint2000 = 1354

SPECint_base2000 = 1289

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	128	1094	124	1125
175.vpr	1400	125	1124	125	1124
176.gcc	1100	84.1	1308	75.3	1461
181.mcf	1800	169	1063	170	1060
186.crafty	1000	73.5	1360	73.2	1365
197.parser	1800	146	1234	145	1240
252.eon	1300	90.4	1438	76.8	1692
253.perlbmk	1800	135	1334	126	1433
254.gap	1100	77.3	1423	77.4	1422
255.vortex	1900	97.9	1941	97.9	1941
256.bzip2	1500	137	1097	129	1167
300.twolf	3000	237	1263	205	1464



Hardware

CPU:	AMD Opteron (TM) Model 146 HE
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
Disk Subsystem:	SATA, Western Digital WD360GD, 10k rpm
Other Hardware:	None

Software

Operating System:	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
The tested system can be assembled using an ATX case such as the Antec KS-282,
BIOS version: 1004
ECC disabled in BIOS by default
```