CINT2000 Result

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Advanced Micro Devices

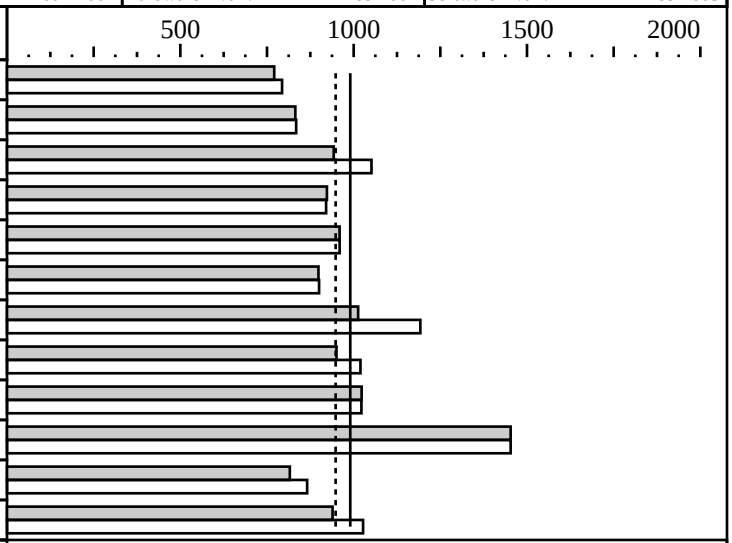
ASUS SK8N Motherboard, AMD Opteron (TM) Model 140 EE

SPECint2000 = 990

SPECint_base2000 = 948

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	182	771	176	793
175.vpr	1400	168	832	168	834
176.gcc	1100	117	943	105	1051
181.mcf	1800	195	923	196	920
186.crafty	1000	104	959	104	960
197.parser	1800	200	898	200	900
252.eon	1300	128	1013	109	1192
253.perlbmk	1800	189	950	177	1020
254.gap	1100	108	1023	108	1022
255.vortex	1900	131	1453	131	1453
256.bzip2	1500	184	816	173	866
300.twolf	3000	319	939	292	1027



Hardware

CPU:	AMD Opteron (TM) Model 140 EE
CPU MHz:	1400
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,
a 480W ANTEC power supply, and a AGP video card.
BIOS version: 1004
ECC disabled in BIOS by default
```