CINT2000 Result

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Advanced Micro Devices

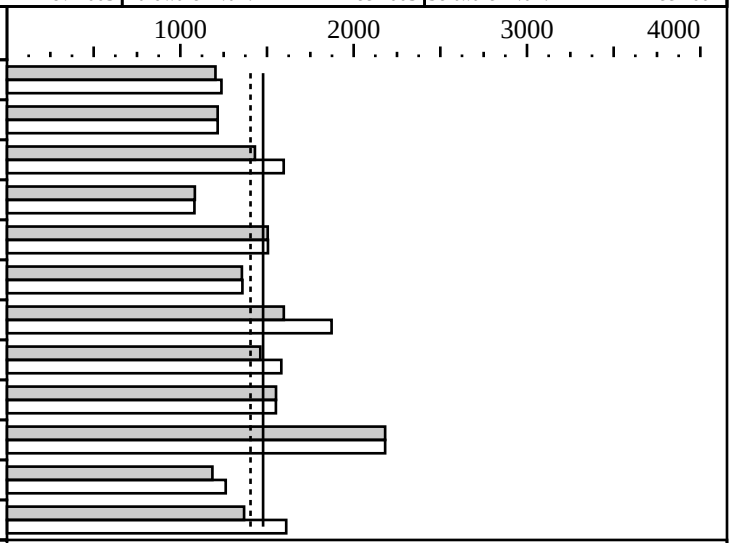
ASUS SK8N Motherboard, AMD Opteron (TM) 148

SPECint2000 = 1477

SPECint_base2000 = 1405

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Nov-2003 | Hardware Avail: Dec-2003 | Software Avail: Dec-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	116	1203	113	1237
175.vpr	1400	115	1215	115	1215
176.gcc	1100	76.9	1430	68.9	1596
181.mcf	1800	166	1084	166	1081
186.crafty	1000	66.5	1504	66.4	1506
197.parser	1800	133	1355	133	1358
252.eon	1300	81.4	1597	69.4	1873
253.perlbmk	1800	123	1461	114	1583
254.gap	1100	70.9	1552	70.9	1551
255.vortex	1900	87.1	2182	87.1	2182
256.bzip2	1500	127	1185	119	1262
300.twolf	3000	219	1368	186	1611



Hardware

CPU:	AMD Opteron (TM) 148
CPU MHz:	2200
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:	Western Digital WD2000, IDE
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
The tested system can be assembled using an ATX case such as the Antec KS-282,
a 480W power supply, and a PCI or AGP video card.
```