CINT2000 Result

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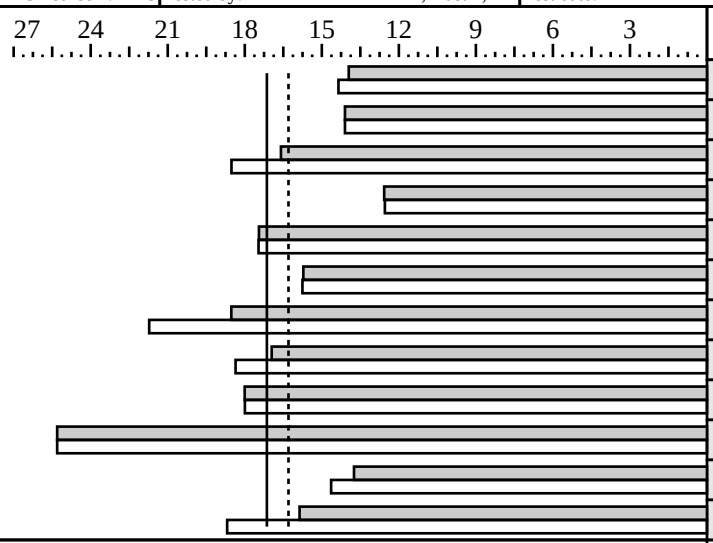
Advanced Micro Devices

ASUS SK8N Motherboard, AMD Opteron (TM) 148

SPECint_rate2000 = 17.1

SPECint_rate_base2000 = 16.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	116	14.0	1	113	14.4
175.vpr	1	115	14.1	1	115	14.1
176.gcc	1	76.9	16.6	1	68.9	18.5
181.mcf	1	166	12.6	1	166	12.5
186.crafty	1	66.5	17.4	1	66.4	17.5
197.parser	1	133	15.7	1	133	15.8
252.eon	1	81.4	18.5	1	69.4	21.7
253.perlbmk	1	123	17.0	1	114	18.4
254.gap	1	70.9	18.0	1	70.9	18.0
255.vortex	1	87.1	25.3	1	87.1	25.3
256.bzip2	1	127	13.7	1	119	14.6
300.twolf	1	219	15.9	1	186	18.7

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.
```