CINT2000 Result

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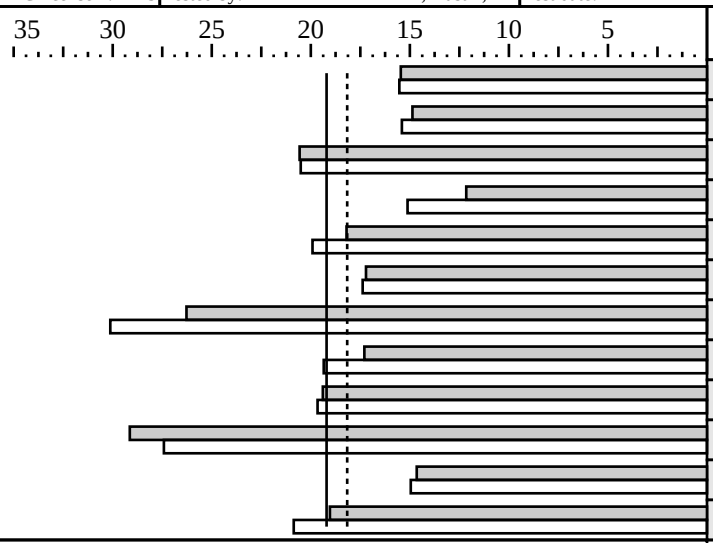
Advanced Micro Devices

ASUS SK8V Motherboard, AMD Opteron (TM) 150

SPECint_rate2000 = 19.2

SPECint_rate_base2000 = 18.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	105	15.5	1	105	15.5
175.vpr	1	109	14.9	1	105	15.4
176.gcc	1	62.0	20.6	1	62.2	20.5
181.mcf	1	172	12.2	1	138	15.1
186.crafty	1	63.8	18.2	1	58.3	19.9
197.parser	1	121	17.2	1	120	17.4
252.eon	1	57.4	26.3	1	50.1	30.1
253.perlbmk	1	121	17.3	1	108	19.3
254.gap	1	65.8	19.4	1	64.9	19.7
255.vortex	1	75.6	29.1	1	80.4	27.4
256.bzip2	1	119	14.7	1	116	15.0
300.twolf	1	183	19.0	1	167	20.9

Hardware

CPU:	AMD Opteron (TM)150
CPU MHz:	2400
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:	2x512 MB PC3200 DDR SDRAM ECC Reg CL2
Disk Subsystem:	SATA, Western Digital WD360GD
Other Hardware:	None

Software

Operating System:	Microsoft Windows XP Professional SP1a
Compiler:	Intel C++ 8.0 build 20031229Z Microsoft Visual Studio .NET 7.0.9466 (libraries) MicroQuill Smartheap Library 6.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
Tested by AMD
  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:   -fast -arch:SSE2 -Oi- +FDO
  Baseline C++: -fast -arch:SSE2 -GX -GR
 Peak Tuning:
  164.gzip:     -fast -arch:SSE  +FDO shlW32M6.lib
  175.vpr:      -fast -arch:SSE2 +FDO
               -Qoption,c,-ip_ninl_max_stats=2000 -Qoption,c,-ip_ninl_max_total_stats=4500
  176.gcc:      -fast -arch:SSE2 +FDO -Oi- -Qunroll3
  181.mcf:      -fast -QaxN      +FDO
  186.crafty:   -fast -arch:SSE2 +FDO
  197.parser:         -arch:SSE2 +FDO -Oi- -Qipo
  252.eon:      -fast -arch:SSE2 +FDO -Qansi_alias
              -Qoption,c,-ip_ninl_max_stats=2000 -Qoption,c,-ip_ninl_max_total_stats=4500
```

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Notes/Tuning Information (Continued)

```
 253.perlbmk:        -arch:SSE2 +FDO      -Qipo shlW32M6.lib
 254.gap:      -fast -arch:SSE2 +FDO -Oi- -Oa
              -Qoption,c,-ip_ninl_max_stats=500 -Qoption,c,-ip_ninl_max_total_stats=3000
 255.vortex:   -fast -arch:SSE  +FDO -Oi- shlW32M6.lib
              -Qoption,c,-ip_ninl_max_stats=2000 -Qoption,c,-ip_ninl_max_total_stats=4500
 256.bzip2:    -fast                      -Qunroll2
 300.twolf:    -fast -arch:SSE2 +FDO      -Qunroll3 shlW32M6.lib -Qansi_alias
The tested system can be assembled using an ATX case such as the Antec KS-282,
a 480W power supply, such as an Antec True Power 480 and a PCI or AGP video card.
BIOS rev. 1001
Memory used is Corsair CMX512R-3200C2
Cas Latency manually set to 2.0 in BIOS
```