CINT2000 Result

Advanced Micro Devices

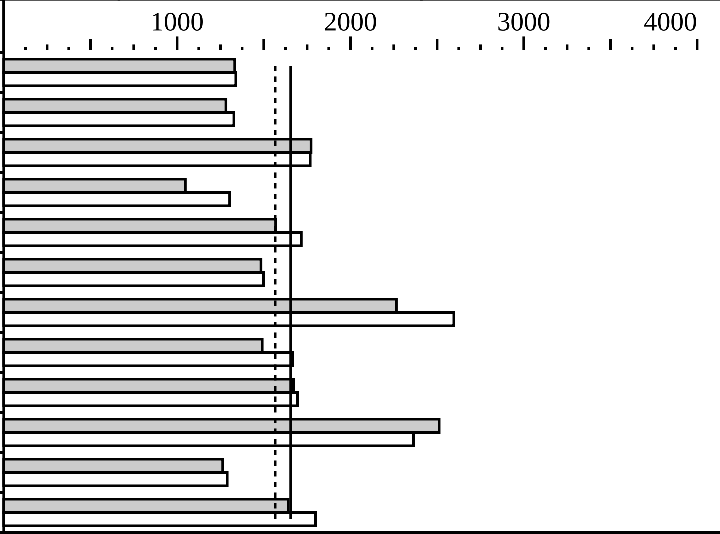
ASUS SK8V Motherboard, AMD Opteron (TM) 150

SPECint2000 = 1655

SPECint_base2000 = 1566

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	105	1333	105	1339
175.vpr	1400	109	1282	105	1328
176.gcc	1100	62.0	1773	62.2	1768
181.mcf	1800	172	1048	138	1303
186.crafty	1000	63.8	1569	58.3	1717
197.parser	1800	121	1484	120	1498
252.eon	1300	57.4	2265	50.1	2597
253.perlbmk	1800	121	1491	108	1668
254.gap	1100	65.8	1672	64.9	1695
255.vortex	1900	75.6	2512	80.4	2363
256.bzip2	1500	119	1263	116	1289
300.twolf	3000	183	1641	167	1798



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
```