CINT2000 Result

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Advanced Micro Devices

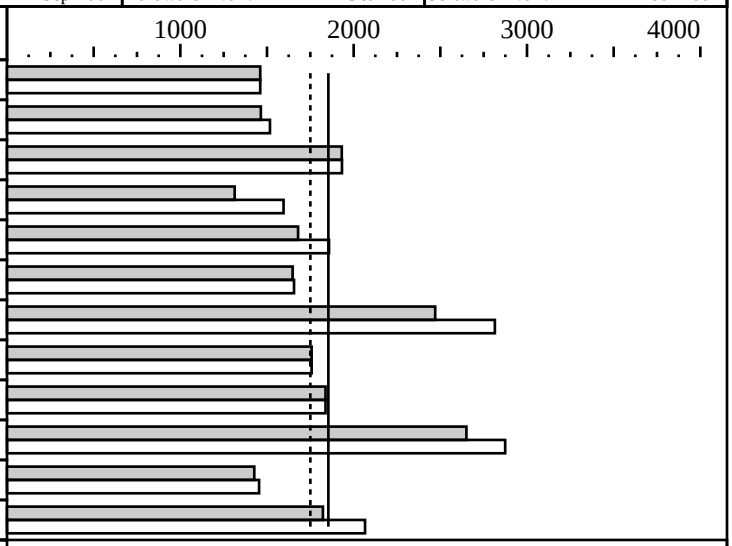
MSI K8N Neo2 Platinum Motherboard, AMD Athlon (TM) 64 FX-55

SPECint2000 = 1854

SPECint_base2000 = 1750

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Sep-2004 | Hardware Avail: Oct-2004 | Software Avail: Jul-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	95.8	1461	95.8	1461
175.vpr	1400	95.6	1465	92.3	1517
176.gcc	1100	57.0	1931	56.9	1933
181.mcf	1800	137	1313	113	1596
186.crafty	1000	59.5	1679	53.8	1858
197.parser	1800	109	1648	109	1656
252.eon	1300	52.6	2470	46.2	2815
253.perlbmk	1800	102	1757	102	1757
254.gap	1100	59.9	1838	59.9	1838
255.vortex	1900	71.7	2650	66.1	2874
256.bzip2	1500	105	1427	103	1454
300.twolf	3000	165	1823	145	2066



Hardware

CPU:	AMD Athlon (TM) 64 FX-55 (ADAFX55DEI5AS)
CPU MHz:	2600
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 CL2.0
Disk Subsystem:	SATA, Western Digital WD360
Other Hardware:	None

Software

Operating System:	Microsoft Windows XP Professional SP2
Compiler:	Intel C++ 8.0 build 20040611Z Microsoft Visual Studio .NET 7.0.9466 (libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
shlW32M7.lib is the SmartHeap library V7.0 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:     basepeak=yes
175.vpr:      -fast -arch:SSE2 +FDO
              -Qoption,c,-ip_ninl_max_stats=2000,-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,-ip_ninl_max_total_stats=4500
253.perlbmk:  basepeak=yes
```

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Notes/Tuning Information (Continued)

```
 254.gap:      basepeak=yes
 255.vortex:   -fast -arch:SSE  +FDO -Oi- shlW32M7.lib
               -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
 256.bzip2:    -fast                        -Qunroll2
 300.twolf:    -fast -arch:SSE2 +FDO        -Qunroll3 shlW32M7.lib -Qansi_alias
The tested system can be assembled using an ATX case such as the Antec P160,
a 550W power supply such as the Antec True Power 550, and a PCI or AGP video card.
BIOS rev. V1.2 082604
High Performance Defaults set in BIOS
Memory timings manually set in BIOS: CAS=2.0, TRCD=2, TRAS=5, TRP=2
Dynamic Overclocking Disabled in BIOS
Memory used is Corsair CMX512-3200XLPRO
Memory is configured in dual channel mode
```