CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Advanced Micro Devices

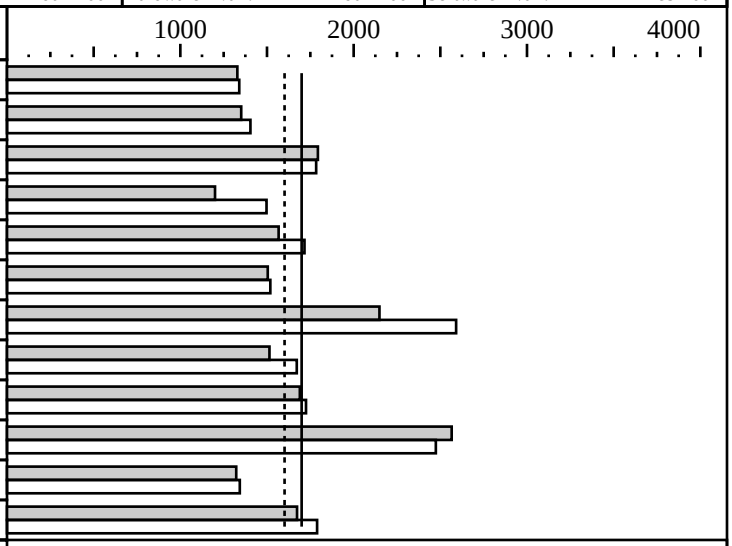
MSI K8T Neo2-FIR (MS-6702E) Motherboard, AMD Athlon (TM) 64 FX-53

SPECint2000 = 1700

SPECint_base2000 = 1601

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	105	1329	104	1340
175.vpr	1400	104	1351	99.7	1404
176.gcc	1100	61.3	1794	61.7	1784
181.mcf	1800	150	1200	120	1497
186.crafty	1000	63.8	1567	58.3	1716
197.parser	1800	120	1504	118	1519
252.eon	1300	60.5	2149	50.2	2591
253.perlbmk	1800	119	1514	108	1672
254.gap	1100	65.1	1689	63.8	1725
255.vortex	1900	74.1	2565	76.8	2474
256.bzip2	1500	113	1322	112	1343
300.twolf	3000	179	1673	168	1789



Hardware

CPU:	AMD Athlon (TM) 64 FX-53 (ADAFX53DEP5AS)
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 CL2.0
Disk Subsystem:	SATA, Western Digital WD360
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
```

Copyright ©1999-2004, Standard Performance Evaluation Corporation

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
BIOS rev. V3.0B10
High Performance Defaults set in BIOS
Memory timings manually set in BIOS: CAS=2.0, TRCD = 3, TRAS = 5, TRP = 3
Dynamic Overclocking Disabled in BIOS
Memory used is Corsair CMX512-3200LL
Memory configured in dual channel mode
```