



CINT2000 Result

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Velocity Micro
Gamer's Edge DualX, AMD Athlon(TM) 64 FX-60

SPECint_rate2000 = 41.1
SPECint_rate_base2000 = 35.7

SPEC license #: 49 | Tested by: AMD Austin, Texas | Test date: Feb-2006 | Hardware Avail: Feb-2006 | Software Avail: Sep-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	112	29.0	2	98.4	33.0
175.vpr	2	125	26.1	2	101	32.2
176.gcc	2	83.5	30.6	2	58.7	43.5
181.mcf	2	210	19.8	2	154	27.2
186.crafty	2	56.6	41.0	2	54.2	42.8
197.parser	2	113	36.9	2	114	36.7
252.eon	2	54.3	55.6	2	48.5	62.2
253.perlbnk	2	93.5	44.7	2	92.4	45.2
254.gap	2	66.2	38.6	2	66.2	38.6
255.vortex	2	77.8	56.6	2	62.0	71.1
256.bzip2	2	113	30.7	2	111	31.3
300.twolf	2	188	37.1	2	143	48.7

Hardware

CPU: AMD Athlon(TM) 64 FX-60 (939-pin)
 CPU MHz: 2600
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1
 Parallel: no
 Primary Cache: 64KBI + 64KBD (on chip) per core
 Secondary Cache: 1024KB (I+D) (on chip) per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2x512MB, Mushkin DDR400 CL2
 Disk Subsystem: SATA, 232 GB
 Other Hardware: None

Software

Operating System: Microsoft Windows XP Home Edition SP2
 Compiler: Intel C++ 9.0 build 20050912Z for IA32
 Microsoft Visual Studio .NET 7.0.9466 (libraries)
 MicroQuill Smartheap Library 7.0
 File System: NTFS
 System State: default

Notes/Tuning Information

Tested by Advanced Micro Devices

shlw32M.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.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT

254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Baseline C: -O3 -Qipo -Op +FDO

Baseline C++: -O3 -Qipo -Qcxx-features +FDO

Peak Tuning:

164.gzip: -O3 -Qipo -QxW +FDO

175.vpr: -O3 -Qipo -QxW +FDO

-Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500

176.gcc: -O3 -Qipo -QxW -Oi- -Qunroll3 +FDO

181.mcf: -O3 -Qipo -QaxN +FDO

186.crafty: -O3 -Qipo -QxW +FDO

197.parser: -QxW +FDO -Oi- -Qipo

252.eon: -O3 -Qipo -QxW +FDO -Qansi_alias

-Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500

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http://www.spec.org



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Notes/Tuning Information (Continued)

```
253.perlbnk: -O3 -Qipo -QxW +FDO
254.gap:      basepeak = true
255.vortex:  -O3 -Qipo -arch:SSE +FDO -Oi- shlw32M.lib
             -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
256.bzip2:   -O3 -Qipo -Qunroll2
300.twolf:   -O3 -Qipo -QxW +FDO -Qunroll3 shlw32M.lib -Qansi_alias
Mushkin HP3200 memory used in Dual Channel configuration.
Memory timings manually set in BIOS: CAS=2, Trc=12, 1T/2T Memory Timings=1T
BIOS rev 1014
```