



CINT2000 Result

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Advanced Micro Devices

Epox 8KHA+ Motherboard, AMD Athlon (TM) XP 1900+

SPECint2000 = 701

SPECint_base2000 = 677

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Oct-2001 | Hardware Avail: Nov-2001 | Software Avail: Aug-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	173	811	172	814	
175.vpr	1400	331	423	308	455	
176.gcc	1100	239	460	204	539	
181.mcf	1800	525	343	527	342	
186.crafty	1000	106	942	106	942	
197.parser	1800	290	621	289	623	
252.eon	1300	102	1280	91.7	1418	
253.perlbnk	1800	183	982	183	983	
254.gap	1100	142	776	142	776	
255.vortex	1900	187	1017	185	1027	
256.bzip2	1500	271	554	257	583	
300.twolf	3000	562	534	553	543	

Hardware

CPU: AMD Athlon (TM) XP 1900+
 CPU MHz: 1600
 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: 256KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2x256MB PC2100 DDR SDRAM CL2
 Disk Subsystem: Seagate ST320414A
 Other Hardware: None

Software

Operating System: Windows 2000 SP1
 Compiler: Intel C++ 5.0.1 build 010727Z
 Microsoft Visual Studio 6.0 SP5 (libraries)
 MicroQuill SmartHeap Library 5.0
 File System: FAT32
 System State: Default

Notes/Tuning Information

shlw32M.lib is the SmartHeap library V5.0 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: -QxK -Qipo +FDO shlw32M.lib

Baseline C++: -QxK -Qipo -GX -GR

Peak tuning:

164.gzip: -O3 -QxK -Qwp_ipo -Oi- +FDO

175.vpr: -O3 -Qxi -QaxK -Qwp_ipo +FDO

176.gcc: -O3 -QxK -Qwp_ipo -Oi- +FDO shlw32M.lib

181.mcf: -O3 -QxK -Qwp_ipo +FDO shlw32M.lib

186.crafty: -O3 -QxK -Qwp_ipo -Oa +FDO shlw32M.lib

197.parser: -O3 -Qxi -QaxK -Qwp_ipo +FDO

252.eon: -O3 -QxiM -Qwp_ipo +FDO

253.perlbnk: -O3 -QxK -Qipo +FDO shlw32M.lib

254.gap: -O3 -QxK -Qipo -Oi- +FDO shlw32M.lib

255.vortex: -O3 -QxK -Qwp_ipo +FDO shlw32M.lib

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<http://www.spec.org>



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Notes/Tuning Information (Continued)

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256.bzip2:    -O3 -QxK -Oa -Qwp_ipo
300.twolf:    -O3 -QxK -Qipo -Oa +FDO shlw32M.lib
ONESTEP is used for all base and peak runs
```

The tested system can be assembled using an ATX case such as the Antec KS-282, a 300W power supply such as the Sparkle FSP300-60GT, and a PCI or AGP video card. The System bus runs at 266MHz

System BIOS Settings: Optimized defaults, Memory settings: Turbo, date: 9/25/01