



CINT2000 Result

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Advanced Micro Devices

Gigabyte GA-7DX Motherboard, AMD Athlon (TM) XP 1500+

SPECint2000 = 577

SPECint_base2000 = 556

SPEC license #: 49 Tested by: AMD Austin TX Test date: Sep-2001 Hardware Avail: Oct-2001 Software Avail: Jul-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	213	658	209	671	
175.vpr	1400	396	353	371	377	
176.gcc	1100	290	380	242	455	
181.mcf	1800	684	263	683	264	
186.crafty	1000	127	787	127	786	
197.parser	1800	359	501	358	502	
252.eon	1300	122	1068	110	1186	
253.perlbnk	1800	221	815	221	815	
254.gap	1100	174	633	174	633	
255.vortex	1900	224	848	222	856	
256.bzip2	1500	325	462	307	489	
300.twolf	3000	684	438	673	446	

Hardware

CPU: AMD Athlon (TM) XP 1500+
CPU MHz: 1333
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: 2x128MB PC2100 DDR SDRAM CL2 Micron
Disk Subsystem: IBM DPTA-372020
Other Hardware: None

Software

Operating System: Windows 2000 SP2
Compiler: Intel C/C++ 5.0.1 build 010525Z
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 -Qxi -QaxK -Qwp_ipo +FDO

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