



# CINT2000 Result

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**Advanced Micro Devices**  
Gigabyte GA-7DX Motherboard, 1.33GHz Athlon Processor

**SPECint2000 = 539**  
**SPECint\_base2000 = 482**

SPEC license #: 49 Tested by: AMD Austin TX Test date: Mar-2001 Hardware Avail: May-2001 Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	262	533	221	632	
175.vpr	1400	446	314	394	355	
176.gcc	1100	363	303	263	418	
181.mcf	1800	758	237	746	241	
186.crafty	1000	141	708	132	759	
197.parser	1800	412	437	411	438	
252.eon	1300	171	762	111	1166	
253.perlbnk	1800	239	754	222	810	
254.gap	1100	208	529	208	529	
255.vortex	1900	235	807	223	851	
256.bzip2	1500	368	408	352	427	
300.twolf	3000	715	419	687	437	

### Hardware

CPU: 1.33GHz AMD Athlon processor A1333AMS3C  
 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  
 Disk Subsystem: IBM DPTA-373420  
 Other Hardware: None

### Software

Operating System: Windows 2000 SP1  
 Compiler: Intel C 5.0 Microsoft Visual Studio 6.0 (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](http://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: -QaxK -Qipo +FDO shlw32M.lib  
 Baseline C++: -QaxK -Qipo -GX -GR  
 Peak tuning:  
 164.gzip: -Qxi -Qipo -Oi- +FDO  
 175.vpr: -Qxi -QaxK -Qwp\_ipo +FDO  
 176.gcc: -QxiM -QaxK -Qipo -Oi- +FDO shlw32M.lib  
 181.mcf: -Qxi -QaxK -Qwp\_ipo +FDO  
 186.crafty: -Qxi -Qwp\_ipo +FDO  
 197.parser: -Qxi -QaxK -Qwp\_ipo +FDO  
 252.eon: -QxiM -Qwp\_ipo +FDO  
 253.perlbnk: -QxiM -Qwp\_ipo +FDO shlw32M.lib  
 254.gap: -QaxK -Qwp\_ipo +FDO shlw32M.lib  
 255.vortex: -QxiM -Qwp\_ipo -Oa -Oi- +FDO shlw32M.lib



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## Notes/Tuning Information (Continued)

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256.bzip2:    -Qxi -QaxK -Oa -Qwp_ipo  
300.twolf:    -Qxi -QaxK -Qwp_ipo -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