



# CINT2000 Result

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**Advanced Micro Devices**  
Gigabyte GA-7DX Motherboard, 1.4GHz Athlon Processor

**SPECint2000 = 554**  
**SPECint\_base2000 = 495**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	254	552	213	658	
175.vpr	1400	437	320	385	364	
176.gcc	1100	360	305	258	427	
181.mcf	1800	757	238	744	242	
186.crafty	1000	136	738	126	793	
197.parser	1800	402	448	401	449	
252.eon	1300	161	806	106	1226	
253.perlbmk	1800	228	791	213	846	
254.gap	1100	204	539	203	542	
255.vortex	1900	229	828	218	870	
256.bzip2	1500	360	417	345	435	
300.twolf	3000	703	427	676	444	

### Hardware

CPU: 1.4GHz AMD Athlon processor A1400AMS3C  
CPU MHz: 1400  
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 375020  
Other Hardware: None

### Software

Operating System: Windows 2000 SP1  
Compiler: Intel C/C++ 5.0 build 1120  
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.perlbmk: -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.perlbmk: -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