



# CINT2000 Result

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## Advanced Micro Devices

Epox 8KHA+ Motherboard, AMD Athlon (TM) XP 2400+

SPECint2000 = 808

SPECint\_base2000 = 782

SPEC license #: 49 Tested by: AMD Austin, TX Test date: Aug-2002 Hardware Avail: Aug-2002 Software Avail: Feb-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	143	980	141	993	
175.vpr	1400	305	460	283	495	
176.gcc	1100	207	531	178	617	
181.mcf	1800	521	345	521	345	
186.crafty	1000	86.0	1163	86.0	1162	
197.parser	1800	253	710	254	707	
252.eon	1300	80.6	1612	73.1	1778	
253.perlbnk	1800	151	1194	151	1194	
254.gap	1100	122	899	122	901	
255.vortex	1900	153	1244	152	1252	
256.bzip2	1500	246	610	235	638	
300.twolf	3000	515	583	507	591	

### Hardware

CPU: AMD Athlon (TM) XP 2400+  
 CPU MHz: 2000  
 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 SP2  
 Compiler: Intel C++ 5.0.1 build 020125Z  
 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](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: -QxK -Qipo +FDO shlw32M.lib

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

Peak tuning:

164.gzip: -O3 -QxK -Qwp\_ipo -Oi- -Oa +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 -QxK -Qwp\_ipo +FDO

252.eon: -O3 -QxK -Qwp\_ipo +FDO

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

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

255.vortex: -O3 -QxK -Qwp\_ipo +FDO

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<http://www.spec.org>



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## Notes/Tuning Information (Continued)

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