



# CINT2000 Result

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## Advanced Micro Devices

ASUS A7N8X Motherboard rev. 2.0, AMD Athlon (TM) XP 3200+

SPECint2000 = 1080

SPECint\_base2000 = 1044

SPEC license #: 49 Tested by: AMD Austin TX Test date: May-2003 Hardware Avail: May-2003 Software Avail: Feb-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	129	1084	125	1124	
175.vpr	1400	191	734	182	768	
176.gcc	1100	134	822	104	1054	
181.mcf	1800	340	530	339	531	
186.crafty	1000	75.5	1324	75.5	1324	
197.parser	1800	181	995	178	1010	
252.eon	1300	86.5	1503	82.6	1574	
253.perlbnk	1800	132	1367	129	1391	
254.gap	1100	95.3	1154	95.3	1154	
255.vortex	1900	112	1693	113	1677	
256.bzip2	1500	161	929	161	929	
300.twolf	3000	304	985	304	985	

### Hardware

CPU: AMD Athlon (TM) XP AXDA3200KV4E  
CPU MHz: 2200  
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: 512KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 2x256MB PC3200 DDR SDRAM CL2.0  
Disk Subsystem: WD1200JB-00DUA1 120GB IDE  
Other Hardware: None

### Software

Operating System: Windows XP Professional SP1  
Compiler: Intel C++ 7.0 build 20021021Z  
Microsoft Visual Studio .NET 7.0.9466 (libraries)  
MicroQuill SmartHeap Library 6.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

shlW32M.lib is the SmartHeap library V6.0 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 -Qipo -Oi- -Oa +FDO shlW32M.lib

175.vpr: -O2 -QxK -Qipo +FDO

176.gcc: -O3 -QxK -Oi- -Qipo +FDO shlW32M.lib

181.mcf: -O3 -QxK -Qipo +FDO shlW32M.lib

186.crafty: basepeak=true

197.parser: -O3 -QxK -Qipo -Oa +FDO shlW32M.lib

252.eon: -O2 -QxK -Qipo +FDO

253.perlbnk: -O3 -QxK -Qipo +FDO shlW32M.lib

254.gap: basepeak=true

255.vortex: -O3 -QxK -Qipo -Oi- +FDO shlW32M.lib

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<http://www.spec.org>



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## Notes/Tuning Information (Continued)

256.bzip2: basepeak=true

300.twolf: basepeak=true

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 480W power supply such as the Antec True480, and a PCI or AGP video card.

The System bus runs at 400MHz

The Memory bus runs at 400MHz

Memory used in dual channel configuration