



# CINT2000 Result

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## Advanced Micro Devices

Asus A7M266-D Motherboard, AMD Athlon (TM) MP 2000+

SPECint2000 = 662

SPECint\_base2000 = 638

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	170	821	169	830	
175.vpr	1400	367	381	339	413	
176.gcc	1100	257	428	219	503	
181.mcf	1800	670	269	669	269	
186.crafty	1000	103	967	103	968	
197.parser	1800	320	562	319	564	
252.eon	1300	96.6	1346	87.9	1479	
253.perlbnk	1800	183	986	182	987	
254.gap	1100	153	719	152	722	
255.vortex	1900	192	989	187	1014	
256.bzip2	1500	289	519	275	546	
300.twolf	3000	637	471	627	479	

### Hardware

CPU: AMD Athlon (TM) MP 2000+  
 CPU MHz: 1667  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 CPU(s) orderable: 1, 2  
 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 ST318451LW  
 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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## 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 420W power supply such as the NSpire MSP-420P4B, and a PCI or AGP video card. The System bus runs at 266MHz