



# CINT2000 Result

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## Advanced Micro Devices

MSI K7D Master-L Motherboard, AMD Athlon (TM) MP 2100+

SPECint2000 = 713

SPECint\_base2000 = 687

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	163	859	162	864	
175.vpr	1400	333	420	309	453	
176.gcc	1100	240	458	204	539	
181.mcf	1800	610	295	610	295	
186.crafty	1000	98.3	1017	98.3	1018	
197.parser	1800	294	611	294	613	
252.eon	1300	93.0	1397	84.1	1546	
253.perlbnk	1800	172	1045	172	1045	
254.gap	1100	141	782	140	783	
255.vortex	1900	173	1100	170	1120	
256.bzip2	1500	267	562	253	592	
300.twolf	3000	578	519	568	528	

### Hardware

CPU: AMD Athlon (TM) MP 2100+  
 CPU MHz: 1733  
 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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<http://www.spec.org>



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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 NSP-420P4B, and a PCI or AGP video card. The System bus runs at 266MHz