



# CINT2000 Result

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## Advanced Micro Devices

MSI K7D Master Motherboard, AMD Athlon (TM) MP 2600+

SPECint\_rate2000 = 15.7

SPECint\_rate\_base2000 = 15.3

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Jan-2002 | Hardware Avail: Jan-2003 | Software Avail: Sep-2002

					Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio				
45	40	35	30	25	20	15	10	5	164.gzip	2	145	22.4	2	142	22.9
									175.vpr	2	386	8.40	2	364	8.93
									176.gcc	2	294	8.67	2	274	9.30
									181.mcf	2	869	4.81	2	867	4.82
									186.crafty	2	84.4	27.5	2	84.5	27.4
									197.parser	2	315	13.3	2	314	13.3
									252.eon	2	75.3	40.0	2	68.2	44.2
									253.perlbnk	2	153	27.3	2	153	27.3
									254.gap	2	151	17.0	2	150	17.0
									255.vortex	2	170	26.0	2	169	26.2
									256.bzip2	2	307	11.3	2	296	11.8
									300.twolf	2	673	10.3	2	664	10.5

### Hardware

CPU: AMD Athlon(TM) AMSN2600DKT3C  
 CPU MHz: 2133  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 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: 1x512MB PC2100 DDR SDRAM CL2  
 Disk Subsystem: Seagate ST320414A  
 Other Hardware: None

### Software

Operating System: Windows XP Professional SP1  
 Compiler: Intel C++ 5.0.1 build 020125Z  
 Microsoft Visual Studio 6.0 SP5 (libraries)  
 MicroQuill SmartHeap Library 5.0  
 File System: NTFS  
 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 400W power supply such as the Antec SL400, and a PCI or AGP video card.  
The System bus runs at 266MHz