



CINT2000 Result

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Advanced Micro Devices

MSI K7D Master Motherboard, AMD Athlon (TM) MP 2200+

SPECint2000 = 726

SPECint_base2000 = 699

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	158	888	157	894	
175.vpr	1400	329	425	306	458	
176.gcc	1100	237	464	202	544	
181.mcf	1800	610	295	609	295	
186.crafty	1000	95.0	1053	94.8	1054	
197.parser	1800	289	622	288	624	
252.eon	1300	89.5	1452	81.1	1603	
253.perlbnk	1800	167	1078	167	1077	
254.gap	1100	139	793	139	794	
255.vortex	1900	173	1096	169	1126	
256.bzip2	1500	262	572	249	602	
300.twolf	3000	577	520	567	529	

Hardware

CPU: AMD Athlon (TM) MP 2200+
CPU MHz: 1800
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 ST318452LW
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

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