



CINT2000 Result

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Advanced Micro Devices

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

SPECint_rate2000 = 8.42

SPECint_rate_base2000 = 8.11

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	158	10.3	1	157	10.4
175.vpr	1	329	4.93	1	306	5.31
176.gcc	1	237	5.39	1	202	6.31
181.mcf	1	610	3.42	1	609	3.43
186.crafty	1	95.0	12.2	1	94.8	12.2
197.parser	1	289	7.22	1	288	7.24
252.eon	1	89.5	16.8	1	81.1	18.6
253.perlbnk	1	167	12.5	1	167	12.5
254.gap	1	139	9.20	1	139	9.21
255.vortex	1	173	12.7	1	169	13.1
256.bzip2	1	262	6.64	1	249	6.98
300.twolf	1	577	6.03	1	567	6.14

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