



CINT2000 Result

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Advanced Micro Devices

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

SPECint_rate2000 = 14.7

SPECint_rate_base2000 = 14.3

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

40 35 30 25 20 15 10 5					Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
					164.gzip	2	162	20.0	2	163	20.0
					175.vpr	2	395	8.23	2	367	8.86
					176.gcc	2	288	8.88	2	265	9.64
					181.mcf	2	843	4.96	2	843	4.96
					186.crafty	2	97.7	23.8	2	97.5	23.8
					197.parser	2	332	12.6	2	331	12.6
					252.eon	2	89.5	33.7	2	81.3	37.1
					253.perlbnk	2	175	23.9	2	175	23.9
					254.gap	2	158	16.2	2	158	16.2
					255.vortex	2	192	22.9	2	192	23.0
					256.bzip2	2	316	11.0	2	304	11.4
					300.twolf	2	683	10.2	2	674	10.3

Hardware

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