



CINT2000 Result

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Advanced Micro Devices

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

SPECint_rate2000 = 14.4

SPECint_rate_base2000 = 14.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	168	19.4	2	167	19.5
175.vpr	2	399	8.14	2	372	8.73
176.gcc	2	290	8.79	2	267	9.56
181.mcf	2	844	4.95	2	843	4.95
186.crafty	2	101	23.0	2	101	23.0
197.parser	2	337	12.4	2	336	12.4
252.eon	2	92.7	32.5	2	84.0	35.9
253.perlbnk	2	180	23.2	2	180	23.2
254.gap	2	160	15.9	2	162	15.8
255.vortex	2	191	23.0	2	193	22.8
256.bzip2	2	320	10.9	2	308	11.3
300.twolf	2	690	10.1	2	680	10.2

Hardware

CPU: AMD Athlon (TM) MP 2100+
 CPU MHz: 1733
 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 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

+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