



CINT2000 Result

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Advanced Micro Devices

Tyan Thunder K7 Motherboard, AMD Athlon (TM) MP 1800+

SPECint_rate2000 = 7.06

SPECint_rate_base2000 = 6.81

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Sep-2001 | Hardware Avail: Oct-2001 | Software Avail: Jul-2001

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	194	8.39	1	192	8.47
175.vpr	1	401	4.04	1	372	4.37
176.gcc	1	279	4.58	1	236	5.42
181.mcf	1	762	2.74	1	752	2.78
186.crafty	1	113	10.3	1	112	10.3
197.parser	1	337	6.20	1	336	6.21
252.eon	1	106	14.2	1	95.8	15.7
253.perlbnk	1	196	10.6	1	196	10.6
254.gap	1	160	7.98	1	160	7.98
255.vortex	1	205	10.8	1	203	10.8
256.bzip2	1	324	5.37	1	312	5.57
300.twolf	1	662	5.25	1	652	5.34

Hardware

CPU: AMD Athlon (TM) MP 1800+
 CPU MHz: 1533
 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: 256MB PC2100 DDR SDRAM CL2 Registered
 Disk Subsystem: Seagate ST330620A
 Other Hardware: None

Software

Operating System: Windows 2000 SP1
 Compiler: Intel C/C++ 5.0.1 build 010525Z
 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

+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- +FDO

175.vpr: -O3 -Qxi -QaxK -Qwp_ipo +FDO

176.gcc: -O3 -QxK -Qwp_ipo -Oi- +FDO shlw32M.lib

181.mcf: -O3 -Qxi -QaxK -Qwp_ipo +FDO

186.crafty: -O3 -QxK -Qwp_ipo -Oa +FDO shlw32M.lib

197.parser: -O3 -Qxi -QaxK -Qwp_ipo +FDO

252.eon: -O3 -QxiM -Qwp_ipo +FDO

253.perlbnk: -O3 -QxK -Qipo +FDO shlw32M.lib

254.gap: -O3 -QxK -Qipo -Oi- +FDO shlw32M.lib

255.vortex: -O3 -QxK -Qwp_ipo +FDO shlw32M.lib

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Notes/Tuning Information (Continued)

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 a case such as the Chenming 601 AE-F-O,
a 460W power supply such as the Delta Electronics DPS465 AB A

The System bus runs at 266MHz