



CINT2000 Result

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Advanced Micro Devices

Tyan Thunder K7 Motherboard, AMD Athlon (TM) MP 1600+

SPECint_rate2000 = 12.4

SPECint_rate_base2000 = 12.1

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.zip	2	205	15.9	2	213	15.3
175.vpr	2	453	7.16	2	419	7.75
176.gcc	2	324	7.88	2	294	8.67
181.mcf	2	900	4.64	2	903	4.63
186.crafty	2	124	18.7	2	124	18.7
197.parser	2	381	11.0	2	381	11.0
252.eon	2	116	26.0	2	105	28.7
253.perlbnk	2	219	19.1	2	219	19.1
254.gap	2	186	13.7	2	184	13.8
255.vortex	2	232	19.0	2	229	19.2
256.bzip2	2	362	9.61	2	348	10.0
300.twolf	2	765	9.10	2	749	9.30

Hardware

CPU: AMD Athlon (TM) MP 1600+
 CPU MHz: 1400
 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 Registered
 Disk Subsystem: IBM DPTA-372020
 Other Hardware: None

Software

Operating System: Windows 2000 SP2
 Compiler: Intel C/C++ 5.0.1 build 010525Z
 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.zip: -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