



CINT2000 Result

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Advanced Micro Devices

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

SPECint2000 = 609

SPECint_base2000 = 587

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	194	723	192	730	
175.vpr	1400	401	349	372	376	
176.gcc	1100	279	395	236	467	
181.mcf	1800	762	236	752	239	
186.crafty	1000	113	889	112	890	
197.parser	1800	337	534	336	535	
252.eon	1300	106	1227	95.8	1358	
253.perlbnk	1800	196	917	196	917	
254.gap	1100	160	688	160	688	
255.vortex	1900	205	927	203	935	
256.bzip2	1500	324	463	312	480	
300.twolf	3000	662	453	652	460	

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)

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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 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