



# CINT2000 Result

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## Advanced Micro Devices

Tyan Thunder K7 Motherboard, AMD Athlon (TM) MP 1500+

SPECint2000 = 554

SPECint\_base2000 = 534

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	211	663	208	672	
175.vpr	1400	437	321	407	344	
176.gcc	1100	292	377	244	451	
181.mcf	1800	808	223	804	224	
186.crafty	1000	128	779	128	779	
197.parser	1800	372	484	371	485	
252.eon	1300	122	1067	110	1182	
253.perlbmk	1800	224	804	224	804	
254.gap	1100	177	621	177	622	
255.vortex	1900	225	846	222	856	
256.bzip2	1500	355	422	340	441	
300.twolf	3000	714	420	701	428	

### Hardware

CPU: AMD Athlon (TM) MP 1500+  
 CPU MHz: 1333  
 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: 1x256MB 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](http://www.microquill.com)  
 +FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

Portability:

```
176.gcc:      -Dalloca=_alloca /F10000000
186.crafty:   -DNT_i386
253.perlbmk:  -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.perlbmk:  -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