



# CINT2000 Result

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## Advanced Micro Devices

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

SPECint2000 = 571

SPECint\_base2000 = 550

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	203	691	200	700	
175.vpr	1400	428	327	398	351	
176.gcc	1100	285	386	241	457	
181.mcf	1800	803	224	799	225	
186.crafty	1000	123	815	123	816	
197.parser	1800	362	498	361	499	
252.eon	1300	116	1121	105	1241	
253.perlbnk	1800	215	839	215	839	
254.gap	1100	174	634	173	635	
255.vortex	1900	217	877	214	888	
256.bzip2	1500	346	433	332	452	
300.twolf	3000	700	429	688	436	

### Hardware

CPU: AMD Athlon (TM) MP 1600+  
 CPU MHz: 1400  
 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.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

Standard Performance Evaluation Corporation

[info@spec.org](mailto:info@spec.org)

<http://www.spec.org>



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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