# CINT2000 Result

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## Advanced Micro Devices

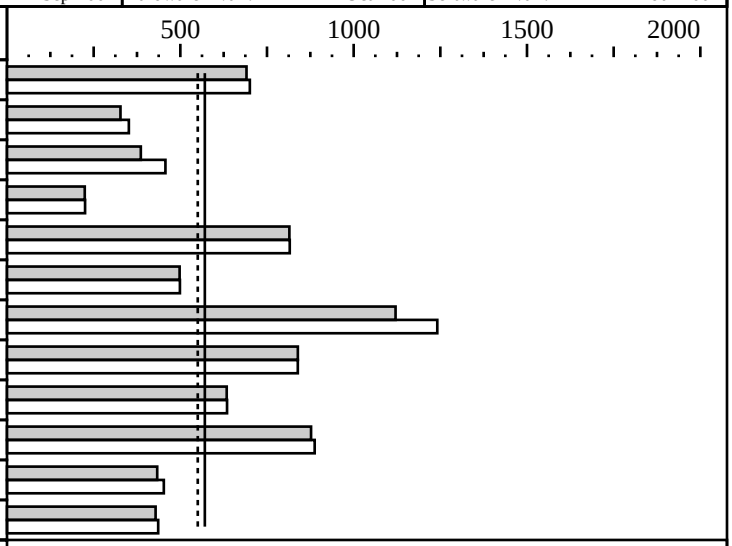
Tyan Thunder K7 Motherboard, AMD Athlon (TM) MP 1600+

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.perlbmk | 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<br>Microsoft Visual Studio 6.0 SP5 (libraries)<br>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.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)

```
 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
```