



CINT2000 Result

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Advanced Micro Devices
Gigabyte GA-7DX Motherboard 1.2GHz Athlon processor

SPECint2000 = 496
SPECint_base2000 = 443

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Dec-2000 | Hardware Avail: Feb-2001 | Software Avail: Oct-2000

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | |
|-------------|----------------|--------------|------------|---------|-------|--|
| 164.gzip | 1400 | 295 | 474 | 250 | 559 | |
| 175.vpr | 1400 | 480 | 292 | 422 | 331 | |
| 176.gcc | 1100 | 391 | 281 | 279 | 394 | |
| 181.mcf | 1800 | 777 | 232 | 768 | 234 | |
| 186.crafty | 1000 | 157 | 637 | 146 | 683 | |
| 197.parser | 1800 | 445 | 404 | 444 | 406 | |
| 252.eon | 1300 | 189 | 686 | 123 | 1053 | |
| 253.perlbnk | 1800 | 264 | 682 | 245 | 735 | |
| 254.gap | 1100 | 223 | 493 | 223 | 492 | |
| 255.vortex | 1900 | 259 | 733 | 249 | 764 | |
| 256.bzip2 | 1500 | 400 | 375 | 389 | 386 | |
| 300.twolf | 3000 | 770 | 390 | 719 | 418 | |

Hardware

CPU: 1.2GHz AMD Athlon processor A1200AMT3C
 CPU MHz: 1200
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 64KBI + 64KBD on chip
 Secondary Cache: 256KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2 x 128MB PC2100 DDR SDRAM CL2.5
 Disk Subsystem: IBM DPTA 373420 ATA-66
 Other Hardware: Diamond Stealth 3D PCI

Software

Operating System: Windows 2000
 Compiler: Intel C/C++ 5.0, Microsoft Visual Studio 6.0 (libraries)
 MicroQuill SmartHeap Library 5.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Baseline C: icl -QaxK -Qipo +FDO shlw32m.lib ONESTEP
Baseline C++: icl -QaxK -Qipo -GX -GR ONESTEP
shlw32m.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com
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
Peak tuning: ONESTEP plus
164.gzip: -O3 -Qxi -Qipo -Oi- +FDO
175.vpr: -O3 -Qxi -QaxK -Qwp_ipo +FDO
176.gcc: -O3 -QxiM -QaxK -Qipo -Oi- +FDO shlw32m.lib
181.mcf: -O3 -Qxi -QaxK -Qwp_ipo +FDO
186.crafty: -O3 -Qxi -Qwp_ipo +FDO
197.parser: -O3 -Qxi -QaxK -Qwp_ipo +FDO
252.eon: -O3 -QxiM -Qwp_ipo +FDO
253.perlbnk: -O3 -QxiM -Qwp_ipo +FDO shlw32m.lib
254.gap: -O3 -QaxK -Qwp_ipo +FDO shlw32m.lib
255.vortex: -O3 -Qxi -QaxK -Qipo +FDO shlw32m.lib -Oa -Oi-
256.bzip2: -O3 -Qxi -QaxK -Qwp_ipo -Oa +FDO
300.twolf: -O3 -Qxi -QaxK -Qwp_ipo -Oa +FDO shlw32m.lib
```



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Notes/Tuning Information (Continued)

The tested system can be assembled using an ATX case such as the Antec KS-282 and a 300W power supply such as the Sparkle FSP300-60GT.
The system bus runs at 266MHz