CINT2000 Result

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Advanced Micro Devices

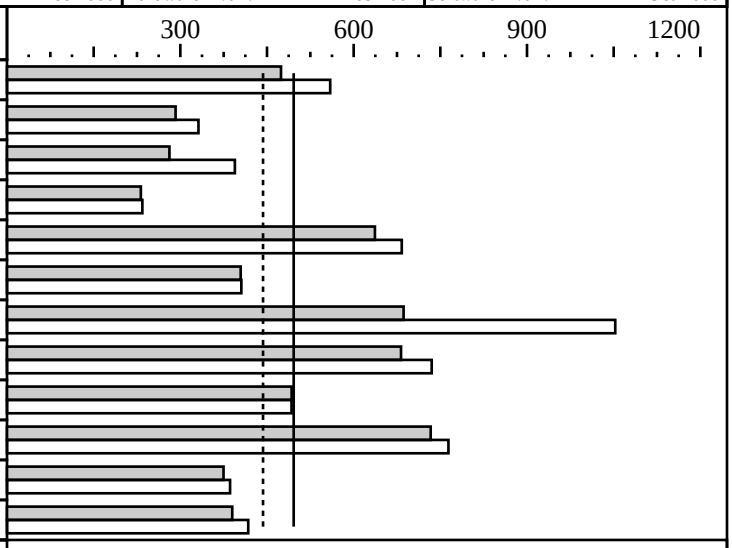
Gigabyte GA-7DX Motherboard 1.2GHz Athlon processor

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.perlbmk	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.perlbmk -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.perlbmk: -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