



CINT2000 Result

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Advanced Micro Devices

Gigabyte GA-7DX Motherboard, AMD Athlon (TM) XP 1700+

SPECint2000 = 629

SPECint_base2000 = 605

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	194	723	191	734	
175.vpr	1400	367	381	342	409	
176.gcc	1100	271	406	225	488	
181.mcf	1800	633	284	631	285	
186.crafty	1000	116	864	116	865	
197.parser	1800	330	545	330	546	
252.eon	1300	110	1181	99.3	1309	
253.perlbnk	1800	200	899	201	897	
254.gap	1100	160	689	160	689	
255.vortex	1900	205	925	203	935	
256.bzip2	1500	298	503	283	529	
300.twolf	3000	634	473	623	481	

Hardware

CPU: AMD Athlon (TM) XP 1700+
 CPU MHz: 1466
 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: 2x128MB PC2400 DDR SDRAM CL2
 Disk Subsystem: Seagate ST320420A
 Other Hardware: None

Software

Operating System: Windows 2000
 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

+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

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info@spec.org

<http://www.spec.org>



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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 an ATX case such as the Antec KS-282, a 300W power supply such as the Sparkle FSP300-60GT, and a PCI or AGP video card. The System bus and memory bus run at 266MHz