



CINT2000 Result

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Advanced Micro Devices

Epox 8KHA+ Motherboard, AMD Athlon (TM) XP 2200+

SPECint2000 = 765

SPECint_base2000 = 738

SPEC license #: 49 Tested by: AMD Austin, TX Test date: Jun-2002 Hardware Avail: Jun-2002 Software Avail: Feb-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	155	903	153	912	
175.vpr	1400	313	448	290	483	
176.gcc	1100	218	504	186	592	
181.mcf	1800	520	346	519	347	
186.crafty	1000	94.4	1059	94.4	1059	
197.parser	1800	267	674	267	675	
252.eon	1300	89.6	1452	80.9	1606	
253.perlbnk	1800	165	1094	165	1093	
254.gap	1100	130	844	130	845	
255.vortex	1900	164	1157	162	1174	
256.bzip2	1500	253	593	241	623	
300.twolf	3000	528	568	521	576	

Hardware

CPU: AMD Athlon (TM) XP 2200+
 CPU MHz: 1800
 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: 2x256MB PC2100 DDR SDRAM CL2
 Disk Subsystem: IDE IBM DTLA-307030
 Other Hardware: None

Software

Operating System: Windows 2000 SP2
 Compiler: Intel C++ 5.0.1 build 020125Z
 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- -Oa +FDO
 175.vpr: -O3 -Qxi -QaxK -Qwp_ipo +FDO
 176.gcc: -O3 -QxK -Qwp_ipo -Oi- +FDO shlw32M.lib
 181.mcf: -O3 -QxK -Qwp_ipo +FDO shlw32M.lib
 186.crafty: -O3 -QxK -Qwp_ipo -Oa +FDO shlw32M.lib
 197.parser: -O3 -QxK -Qwp_ipo +FDO
 252.eon: -O3 -QxK -Qwp_ipo +FDO
 253.perlbnk: -O3 -QxK -Qipo +FDO shlw32M.lib
 254.gap: -O3 -QxK -Qipo -Oi- +FDO
 255.vortex: -O3 -QxK -Qwp_ipo +FDO



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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 runs at 266MHz