



CINT2000 Result

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Advanced Micro Devices
ASUS SK8N Motherboard, AMD Opteron (TM) 146

SPECint2000 = 1335
SPECint_base2000 = 1271

SPEC license #: 49 Tested by: AMD, Austin, TX Test date: Sep-2003 Hardware Avail: Sep-2003 Software Avail: Feb-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
164.gzip	1400	128	1096	124	1127	[Bar chart showing ratio]			
175.vpr	1400	129	1083	129	1083	[Bar chart showing ratio]			
176.gcc	1100	83.9	1310	75.3	1461	[Bar chart showing ratio]			
181.mcf	1800	194	928	195	923	[Bar chart showing ratio]			
186.crafty	1000	73.0	1370	73.0	1369	[Bar chart showing ratio]			
197.parser	1800	146	1237	145	1239	[Bar chart showing ratio]			
252.eon	1300	90.0	1444	76.2	1707	[Bar chart showing ratio]			
253.perlbmk	1800	135	1330	125	1443	[Bar chart showing ratio]			
254.gap	1100	77.6	1418	77.5	1419	[Bar chart showing ratio]			
255.vortex	1900	96.1	1978	96.1	1978	[Bar chart showing ratio]			
256.bzip2	1500	141	1062	133	1128	[Bar chart showing ratio]			
300.twolf	3000	237	1266	204	1468	[Bar chart showing ratio]			

Hardware

CPU: AMD Opteron (TM) 146
CPU MHz: 2000
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: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2x512MB PC3200 DDR SDRAM ECC Registered, CL2.5
Disk Subsystem: SATA, Western Digital WD360GD, 10k rpm
Other Hardware: None

Software

Operating System: Microsoft Windows XP Professional (SP1a)
Compiler: Intel C/C++ 7.0 build 20021212Z
Microsoft Visual Studio .NET 7.0.9466 (for libraries)
MicroQuill Smartheap Library 6.0
File System: NTFS
System State: Default

Notes/Tuning Information

shlw32M6.lib is the SmartHeap library V6.0 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:

+FDO -O3 -QxW -Qipo

Baseline C++:

+FDO -Qipo -GX -GR

Peak tuning:

164.gzip: +FDO -O3 -QaxK -Qipo -Oi-
175.vpr: +FDO -O3 -QxW -Qipo
176.gcc: +FDO -O3 -QxK -Qipo -Oi-
181.mcf: +FDO -Qipo -Oa
186.crafty: +FDO -O3 -QxW -Qipo
197.parser: +FDO -O3 -QxW -Qipo -Oa
252.eon: +FDO -O3 -QaxW -Qipo -Zp4
253.perlbmk: +FDO -O3 -Qipo -Oa shlw32M6.lib
254.gap: +FDO -O3 -QxW -Qipo
255.vortex: basepeak=1



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SPECint_base2000 =	1271

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Notes/Tuning Information (Continued)

256.bzip2: +FDO -Qipo -Oa -Qunroll1
300.twolf: +FDO -Qxi -Qipo shlw32M6.lib
ONESTEP is used for all base and peak runs
ECC on, ECC scrubbing off