



CINT2000 Result

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Advanced Micro Devices

ASUS SK8N Motherboard, AMD Opteron (TM) Model 146 HE

SPECint2000 = 1354

SPECint_base2000 = 1289

SPEC license #: 49 Tested by: AMD, Austin, TX Test date: Jan-2004 Hardware Avail: Feb-2004 Software Avail: Feb-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	500 1000 1500 2000			
164.gzip	1400	128	1094	124	1125	[Bar chart showing ratio]			
175.vpr	1400	125	1124	125	1124	[Bar chart showing ratio]			
176.gcc	1100	84.1	1308	75.3	1461	[Bar chart showing ratio]			
181.mcf	1800	169	1063	170	1060	[Bar chart showing ratio]			
186.crafty	1000	73.5	1360	73.2	1365	[Bar chart showing ratio]			
197.parser	1800	146	1234	145	1240	[Bar chart showing ratio]			
252.eon	1300	90.4	1438	76.8	1692	[Bar chart showing ratio]			
253.perlbnk	1800	135	1334	126	1433	[Bar chart showing ratio]			
254.gap	1100	77.3	1423	77.4	1422	[Bar chart showing ratio]			
255.vortex	1900	97.9	1941	97.9	1941	[Bar chart showing ratio]			
256.bzip2	1500	137	1097	129	1167	[Bar chart showing ratio]			
300.twolf	3000	237	1263	205	1464	[Bar chart showing ratio]			

Hardware

CPU: AMD Opteron (TM) Model 146 HE
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
Disk Subsystem: SATA, Western Digital WD360GD, 10k rpm
Other Hardware: None

Software

Operating System: 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.perlbnk: -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.perlbnk: +FDO -O3 -Qipo -Oa shlw32M6.lib
254.gap: +FDO -O3 -QxW -Qipo
255.vortex: basepeak=1



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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

The tested system can be assembled using an ATX case such as the Antec KS-282,

BIOS version: 1004

ECC disabled in BIOS by default