



CINT2000 Result

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Advanced Micro Devices
ASUS SK8N Motherboard, AMD Opteron (TM) 148

SPECint_rate2000 = 17.1
SPECint_rate_base2000 = 16.3

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Nov-2003 | Hardware Avail: Dec-2003 | Software Avail: Dec-2002

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	116	14.0	1	113	14.4
175.vpr	1	115	14.1	1	115	14.1
176.gcc	1	76.9	16.6	1	68.9	18.5
181.mcf	1	166	12.6	1	166	12.5
186.crafty	1	66.5	17.4	1	66.4	17.5
197.parser	1	133	15.7	1	133	15.8
252.eon	1	81.4	18.5	1	69.4	21.7
253.perlbnk	1	123	17.0	1	114	18.4
254.gap	1	70.9	18.0	1	70.9	18.0
255.vortex	1	87.1	25.3	1	87.1	25.3
256.bzip2	1	127	13.7	1	119	14.6
300.twolf	1	219	15.9	1	186	18.7

Hardware

CPU: AMD Opteron (TM) 148
 CPU MHz: 2200
 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: Western Digital WD2000, IDE
 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.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, a 480W power supply, and a PCI or AGP video card.