



CINT2000 Result

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Supermicro

Motherboard H8DM8-2, AMD Opteron(TM) 2220 SE

SPECint_rate2000 = --

SPECint_rate_base2000 = 79.9

SPEC license #01176 | Tested by: Supermicro | Test date: Oct-2006 | Hardware Avail: Sep-2006 | Software Avail: Mar-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	4	91.6	70.9			
175.vpr	4	100	64.9			
176.gcc	4	55.0	92.7			
181.mcf	4	183	45.6			
186.crafty	4	54.6	85.0			
197.parser	4	107	78.1			
252.eon	4	59.6	101			
253.perlbnk	4	95.8	87.2			
254.gap	4	58.0	88.0			
255.vortex	4	71.1	124			
256.bzip2	4	109	63.8			
300.twolf	4	164	85.1			

Hardware

CPU: AMD Opteron(TM) 2220 SE processor
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2
 Parallel: No
 Primary Cache: 64KBI + 64KBD on chip, per core
 Secondary Cache: 1024KB (I+D) on chip, per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8x2048MB DDR2-667 Dual Rank CL4 ECC Reg
 Disk Subsystem: IDE
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise Edition SP1 (32 bit)
 Compiler: Intel C++ 8.0
 Build 20040318Z (for 32-bit applications),
 Microsoft Visual Studio .Net 2003
 File System: NTFS
 System State: Default

Notes/Tuning Information

+FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Portability flags

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

Base tuning flags

for C programs: -fast -arch:SSE2 -Oi- +FDO
 for C++ programs: -fast -GX -GR +FDO

'start /b /wait /affinity' command is used to bind CPU(s) to processes
 Memory populated at location DIMMA 1A, DIMMA 1B, DIMMA 2A, DIMMA 2B for CPU1 and DIMMB 1A, DIMMB 1B, DIMMB 2A, DIMMB 2B for CPU2
 Tested systems can be used with SC811S-520 case,
 To ensure system stability, a 550W (minimum) ATX power supply [4-pin (+12V), 8-pin (+12V) and 24-pin are required]
 Product description located as of H8DM8: <http://www.supermicro.com/Aplus/motherboard/Opteron2000/MCP55/H8DM8-2.cfm>