



CINT2000 Result

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ION

A20 (Intel Xeon processor 5080, 3.73GHz)

SPECint_rate2000 = 74.3

SPECint_rate_base2000 = 74.3

SPEC license #: 2697 | Tested by: ION | Test date: Jul-2006 | Hardware Avail: Jul-2006 | Software Avail: Jun-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	4	109	59.5	4	109	59.5
175.vpr	4	128	50.9	4	128	50.9
176.gcc	4	58.8	86.8	4	58.8	86.8
181.mcf	4	151	55.5	4	151	55.5
186.crafty	4	57.7	80.4	4	57.7	80.4
197.parser	4	138	60.5	4	138	60.5
252.eon	4	53.7	112	4	53.7	112
253.perlbnk	4	83.9	99.6	4	83.9	99.6
254.gap	4	69.1	73.9	4	69.1	73.9
255.vortex	4	71.6	123	4	71.6	123
256.bzip2	4	136	51.3	4	136	51.3
300.twolf	4	181	77.0	4	181	77.0

Hardware

CPU: Intel Xeon Processor 5080 (1066Mhz System Bus)
 CPU MHz: 3733
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (HyperThreading Technology disabled)
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 12KB(I) + 16KB(D) on chip, per core
 Secondary Cache: 2MB (I+D) on chip, per core
 L3 Cache: None
 Other Cache: None
 Memory: 8 GB (8*1GB PC2-5300 FB-DIMMs)
 Disk Subsystem: 1 x 400GB SATA, 7200rpm
 Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux ES 4 Update 3 for AMD64/Intel EM64T
 Compiler: Intel(R) C++ Compiler for EM64T, V9.1 (Build 20060519)
 File System: ext3
 System State: Multi-user

Notes/Tuning Information

Tested by ION Computer Systems

BIOS 2.00 Build 54

HyperThreading Technology Disabled in BIOS

Enhanced SpeedStep Disabled in BIOS

kernel 2.6.9-34.0.1.ELsmp

+FDO: PASS1=-prof_gen PASS2=-prof_use

SPEC CINT2000 Baseline optimization flags:

C programs: -fast -auto_ilp32 +FDO

C++ programs: -fast -ansi_alias +FDO

+FDO: PASS1=-prof_gen PASS2=-prof_use

SPEC CINT2000 Peak optimization flags

basepeak=yes set globally

Portability Flags:

186.crafty: -DLINUX_i386

252.eon: -DHAS_ERRLIST

253.perlbnk: -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_LINUX_I386

-DSPEC_CPU2000_LP64

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info@spec.org

http://www.spec.org



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Notes/Tuning Information (Continued)

254.gap: -DSPEC_CPU2000_LP64 -DSYS_IS_USG
255.vortex: -DSPEC_CPU2000_LP64