



CINT2000 Result

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ION
A20 (Intel Xeon processor 5110, 1.6GHz)

SPECint_rate2000 = 68.4

SPECint_rate_base2000 = 68.4

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	146	44.6	4	146	44.6
175.vpr	4	127	51.1	4	127	51.1
176.gcc	4	61.8	82.6	4	61.8	82.6
181.mcf	4	136	61.3	4	136	61.3
186.crafty	4	67.9	68.4	4	67.9	68.4
197.parser	4	150	55.6	4	150	55.6
252.eon	4	69.7	86.6	4	69.7	86.6
253.perlbnk	4	96.2	86.8	4	96.2	86.8
254.gap	4	71.9	70.9	4	71.9	70.9
255.vortex	4	81.6	108	4	81.6	108
256.bzip2	4	140	49.8	4	140	49.8
300.twolf	4	167	83.4	4	167	83.4

Hardware

CPU: Intel Xeon Processor 5110 (1066Mhz System Bus)
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 32KB(I) + 32KB(D) on chip, per core
 Secondary Cache: 4MB (I+D) on chip, per chip
 L3 Cache: None
 Other Cache: None
 Memory: 8 GB (8*1GB PC2 5300 FB-DIMMs)
 Disk Subsystem: 1 x 80GB SATA (Seagate ST380817AS Barracuda 7200rpm)
 Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux ES 4 Update 3 for x86 (32-bit)
 Compiler: Intel(R) C++ Compiler for 32-bit apps, V9.1 (Build 20060706Z)
 File System: ext3
 System State: Multi-user

Notes/Tuning Information

Tested by ION Computer Systems

BIOS 2.00 Build 54

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 +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

254.gap: -DSYS_IS_USG

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