



CINT2000 Result

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ION

A20 (Intel Xeon processor 5030, 2.67GHz)

SPECint_rate2000 = 54.3

SPECint_rate_base2000 = 54.3

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	154	42.1	4	154	42.1
175.vpr	4	173	37.5	4	173	37.5
176.gcc	4	70.4	72.5	4	70.4	72.5
181.mcf	4	225	37.2	4	225	37.2
186.crafty	4	99.5	46.6	4	99.5	46.6
197.parser	4	172	48.6	4	172	48.6
252.eon	4	80.8	74.6	4	80.8	74.6
253.perlbnk	4	114	73.5	4	114	73.5
254.gap	4	87.3	58.5	4	87.3	58.5
255.vortex	4	97.6	90.4	4	97.6	90.4
256.bzip2	4	179	38.9	4	179	38.9
300.twolf	4	229	60.8	4	229	60.8

Hardware

CPU: Intel Xeon Processor 5030 (667Mhz System Bus)
 CPU MHz: 2667
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip, Hyper-Threading Technology disabled
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 12k (I) micro-ops + 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 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

Hyper-Threading 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 +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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