



CINT2000 Result

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ION
A20 (Intel Xeon processor 5050, 3GHz)

SPECint2000 = 1382
SPECint_base2000 = 1382

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	136	1026	136	1026
175.vpr	1400	149	940	149	940
176.gcc	1100	61.9	1776	61.9	1776
181.mcf	1800	140	1289	140	1289
186.crafty	1000	88.6	1128	88.6	1128
197.parser	1800	152	1183	152	1183
252.eon	1300	71.5	1817	71.5	1817
253.perlbmk	1800	102	1766	102	1766
254.gap	1100	70.1	1570	70.1	1570
255.vortex	1900	87.4	2174	87.4	2174
256.bzip2	1500	149	1006	149	1006
300.twolf	3000	200	1497	200	1497

Hardware

CPU: Intel Xeon Processor 5050 (667Mhz System Bus)
 CPU MHz: 3000
 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 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 20060519Z)
 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 +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.perlbmk: -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_LINUX_I386

254.gap: -DSYS_IS_USG

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