



CINT2000 Result

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ION
A20 (Intel Xeon processor 5050, 3.0GHz)

SPECint2000 = 1364
SPECint_base2000 = 1364

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	135	1038	135	1038
175.vpr	1400	153	916	153	916
176.gcc	1100	71.4	1541	71.4	1541
181.mcf	1800	143	1261	143	1261
186.crafty	1000	71.9	1391	71.9	1391
197.parser	1800	172	1046	172	1046
252.eon	1300	66.7	1950	66.7	1950
253.perlbmk	1800	104	1732	104	1732
254.gap	1100	74.5	1477	74.5	1477
255.vortex	1900	88.5	2147	88.5	2147
256.bzip2	1500	141	1064	141	1064
300.twolf	3000	221	1355	221	1355

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 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.perlbmk: -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_LINUX_I386

-DSPEC_CPU2000_LP64

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Notes/Tuning Information (Continued)

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