



CINT2000 Result

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ION
A20 (Intel Xeon processor 5130, 2GHz)

SPECint2000 = 2063
SPECint_base2000 = 2063

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	114	1223	114	1223	
175.vpr	1400	88.5	1582	88.5	1582	
176.gcc	1100	45.1	2442	45.1	2442	
181.mcf	1800	56.9	3161	56.9	3161	
186.crafty	1000	54.2	1845	54.2	1845	
197.parser	1800	112	1614	112	1614	
252.eon	1300	55.7	2335	55.7	2335	
253.perlbmk	1800	73.2	2460	73.2	2460	
254.gap	1100	53.8	2044	53.8	2044	
255.vortex	1900	58.1	3268	58.1	3268	
256.bzip2	1500	98.2	1527	98.2	1527	
300.twolf	3000	131	2287	131	2287	

Hardware

CPU: Intel Xeon Processor 5130 (1333Mhz System Bus)
CPU MHz: 2000
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.perlbmk: -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_LINUX_I386

254.gap: -DSYS_IS_USG

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