



CINT2000 Result

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ION

A20 (Intel Xeon processor 5150, 2.66GHz)

SPECint2000 = 2623

SPECint_base2000 = 2623

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	86.6	1617	86.6	1617	
175.vpr	1400	70.8	1977	70.8	1977	
176.gcc	1100	38.6	2852	38.6	2852	
181.mcf	1800	49.6	3628	49.6	3628	
186.crafty	1000	40.6	2464	40.6	2464	
197.parser	1800	85.7	2099	85.7	2099	
252.eon	1300	41.6	3121	41.6	3121	
253.perlbmk	1800	55.2	3258	55.2	3258	
254.gap	1100	43.6	2523	43.6	2523	
255.vortex	1900	47.6	3996	47.6	3996	
256.bzip2	1500	74.9	2002	74.9	2002	
300.twolf	3000	99.4	3019	99.4	3019	

Hardware

CPU: Intel Xeon Processor 5150 (1333Mhz System Bus)
 CPU MHz: 2666
 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 20060519Z)
 File System: ext3
 System State: Multi-user

Notes/Tuning Information

Tested by ION Computer Systems

BIOS 1.00 Build 45

Enhanced SpeedStep Disabled in BIOS

Hardware Prefetcher Enabled in BIOS (Default)

Adjacent Cache Line Prefetch Enabled in BIOS (Default)

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

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Notes/Tuning Information (Continued)

254.gap: -DSYS_IS_USG