



CINT2000 Result

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ION
A20 (Intel Xeon processor 5160, 3.0GHz)

SPECint2000 = 2907
SPECint_base2000 = 2907

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	77.3	1811	77.3	1811	
175.vpr	1400	64.6	2166	64.6	2166	
176.gcc	1100	34.6	3176	34.6	3176	
181.mcf	1800	46.4	3881	46.4	3881	
186.crafty	1000	36.1	2770	36.1	2770	
197.parser	1800	76.8	2344	76.8	2344	
252.eon	1300	37.0	3510	37.0	3510	
253.perlbmk	1800	49.4	3643	49.4	3643	
254.gap	1100	39.8	2762	39.8	2762	
255.vortex	1900	43.4	4374	43.4	4374	
256.bzip2	1500	67.6	2220	67.6	2220	
300.twolf	3000	88.6	3387	88.6	3387	

Hardware

CPU: Intel Xeon Processor 5160 (1333Mhz System Bus)
 CPU MHz: 3000
 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