



CINT2000 Result

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ION

A20 (Intel Xeon processor 5150, 2.66GHz)

SPECint2000 = 2578

SPECint_base2000 = 2578

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	89.1	1571	89.1	1571	
175.vpr	1400	71.8	1949	71.8	1949	
176.gcc	1100	40.9	2687	40.9	2687	
181.mcf	1800	55.6	3236	55.6	3236	
186.crafty	1000	32.5	3077	32.5	3077	
197.parser	1800	96.8	1860	96.8	1860	
252.eon	1300	36.2	3591	36.2	3591	
253.perlbmk	1800	58.0	3103	58.0	3103	
254.gap	1100	49.2	2238	49.2	2238	
255.vortex	1900	49.1	3871	49.1	3871	
256.bzip2	1500	73.6	2037	73.6	2037	
300.twolf	3000	104	2880	104	2880	

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 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 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 -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

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Notes/Tuning Information (Continued)

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