



CINT2000 Result

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ION

A20 (Intel Xeon processor 5030, 2.67GHz)

SPECint2000 = 1251

SPECint_base2000 = 1251

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	153	914	153	914	
175.vpr	1400	164	853	164	853	
176.gcc	1100	69.4	1585	69.4	1585	
181.mcf	1800	146	1237	146	1237	
186.crafty	1000	99.4	1006	99.4	1006	
197.parser	1800	169	1062	169	1062	
252.eon	1300	80.8	1608	80.8	1608	
253.perlbmk	1800	113	1595	113	1595	
254.gap	1100	77.1	1426	77.1	1426	
255.vortex	1900	95.6	1987	95.6	1987	
256.bzip2	1500	164	913	164	913	
300.twolf	3000	221	1355	221	1355	

Hardware

CPU: Intel Xeon Processor 5030 (667Mhz System Bus)
 CPU MHz: 2667
 FPU: Integrated
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip, Hyper-Threading Technology disabled
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 12k (I) micro-ops + 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 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

Hyper-Threading 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 +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

Standard Performance Evaluation Corporation

info@spec.org

http://www.spec.org