



CINT2000 Result

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ION
A20 (Intel Xeon processor 5110, 1.6GHz)

SPECint2000 = 1660
SPECint_base2000 = 1660

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	143	981	143	981	
175.vpr	1400	110	1276	110	1276	
176.gcc	1100	56.2	1958	56.2	1958	
181.mcf	1800	69.1	2605	69.1	2605	
186.crafty	1000	67.6	1479	67.6	1479	
197.parser	1800	139	1294	139	1294	
252.eon	1300	69.6	1867	69.6	1867	
253.perlbnk	1800	90.9	1981	90.9	1981	
254.gap	1100	67.1	1640	67.1	1640	
255.vortex	1900	72.5	2622	72.5	2622	
256.bzip2	1500	122	1225	122	1225	
300.twolf	3000	163	1837	163	1837	

Hardware

CPU: Intel Xeon Processor 5110 (1066Mhz System Bus)
 CPU MHz: 1600
 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.perlbnk: -DSPEC_CPU2000_NEED_BOOL -DSPEC_CPU2000_LINUX_I386

254.gap: -DSYS_IS_USG

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