



CINT2000 Result

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ION
A20 (Intel Xeon processor 5060, 3.2GHz)

SPECint2000 = 1529
SPECint_base2000 = 1529

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	125	1119	125	1119	
175.vpr	1400	135	1035	135	1035	
176.gcc	1100	64.0	1718	64.0	1718	
181.mcf	1800	113	1589	113	1589	
186.crafty	1000	67.3	1486	67.3	1486	
197.parser	1800	155	1161	155	1161	
252.eon	1300	62.5	2080	62.5	2080	
253.perlbmk	1800	94.6	1903	94.6	1903	
254.gap	1100	64.2	1714	64.2	1714	
255.vortex	1900	77.4	2455	77.4	2455	
256.bzip2	1500	125	1195	125	1195	
300.twolf	3000	200	1500	200	1500	

Hardware

CPU: Intel Xeon Processor 5060 (1066Mhz System Bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (HyperThreading Technology disabled)
CPU(s) orderable: 1,2 chips
Parallel: No
Primary Cache: 12KB(I) + 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 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 2.00 Build 54

HyperThreading 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 -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

-DSPEC_CPU2000_LP64

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Notes/Tuning Information (Continued)

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