



CINT2000 Result

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ION
A20 (Intel Xeon processor 5060, 3.2GHz)

SPECint2000 = 1531
SPECint_base2000 = 1531

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	127	1106	127	1106	
175.vpr	1400	135	1038	135	1038	
176.gcc	1100	56.6	1943	56.6	1943	
181.mcf	1800	111	1620	111	1620	
186.crafty	1000	83.0	1205	83.0	1205	
197.parser	1800	139	1294	139	1294	
252.eon	1300	67.2	1934	67.2	1934	
253.perlbmk	1800	93.6	1923	93.6	1923	
254.gap	1100	62.6	1758	62.6	1758	
255.vortex	1900	77.0	2469	77.0	2469	
256.bzip2	1500	133	1125	133	1125	
300.twolf	3000	186	1616	186	1616	

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 enabled)
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 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 2.00 Build 54

HyperThreading Technology Enabled in BIOS (Default)

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

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