CINT2000 Result

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ION

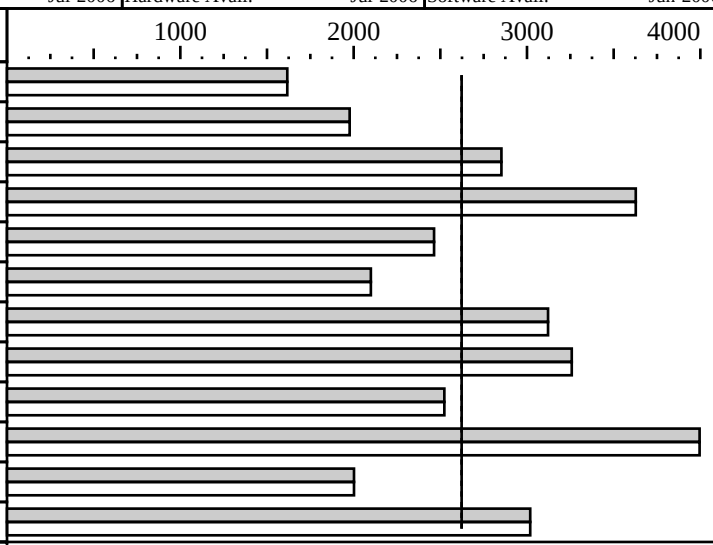
A20 (Intel Xeon processor 5150, 2.66GHz)

SPECint2000 = 2623

SPECint_base2000 = 2623

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	86.6	1617	86.6	1617
175.vpr	1400	70.8	1977	70.8	1977
176.gcc	1100	38.6	2852	38.6	2852
181.mcf	1800	49.6	3628	49.6	3628
186.crafty	1000	40.6	2464	40.6	2464
197.parser	1800	85.7	2099	85.7	2099
252.eon	1300	41.6	3121	41.6	3121
253.perlbmk	1800	55.2	3258	55.2	3258
254.gap	1100	43.6	2523	43.6	2523
255.vortex	1900	47.6	3996	47.6	3996
256.bzip2	1500	74.9	2002	74.9	2002
300.twolf	3000	99.4	3019	99.4	3019



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 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

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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 +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)

254.gap: -DSYS_IS_USG