CINT2000 Result

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ION

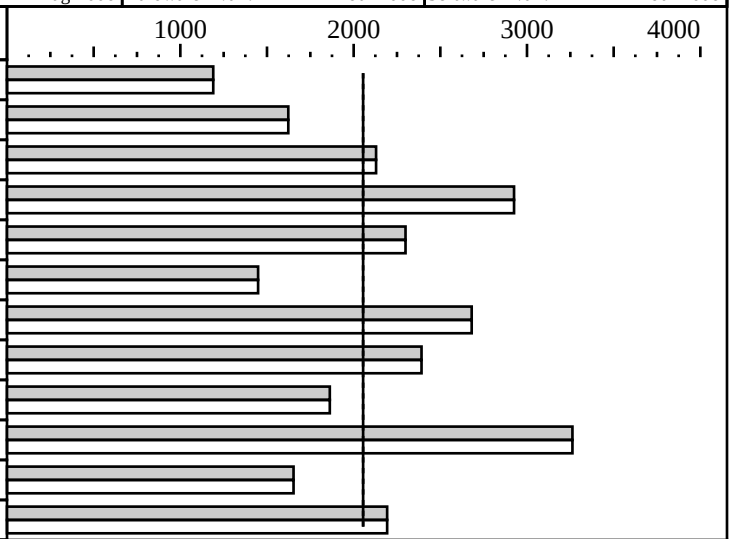
A20 (Intel Xeon processor 5130, 2.0GHz)

SPECint2000 = 2055

SPECint_base2000 = 2055

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	118	1190	118	1190
175.vpr	1400	86.3	1623	86.3	1623
176.gcc	1100	51.7	2129	51.7	2129
181.mcf	1800	61.5	2925	61.5	2925
186.crafty	1000	43.5	2299	43.5	2299
197.parser	1800	124	1449	124	1449
252.eon	1300	48.5	2681	48.5	2681
253.perlbmk	1800	75.3	2391	75.3	2391
254.gap	1100	59.1	1862	59.1	1862
255.vortex	1900	58.2	3262	58.2	3262
256.bzip2	1500	90.7	1653	90.7	1653
300.twolf	3000	137	2193	137	2193



Hardware

CPU:	Intel Xeon Processor 5130 (1333Mhz System Bus)
CPU MHz:	2000
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 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 20060707)
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 -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
       254.gap: -DSPEC_CPU2000_LP64 -DSYS_IS_USG
```

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Notes/Tuning Information (Continued)

255.vortex: -DSPEC_CPU2000_LP64