CINT2000 Result

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ION

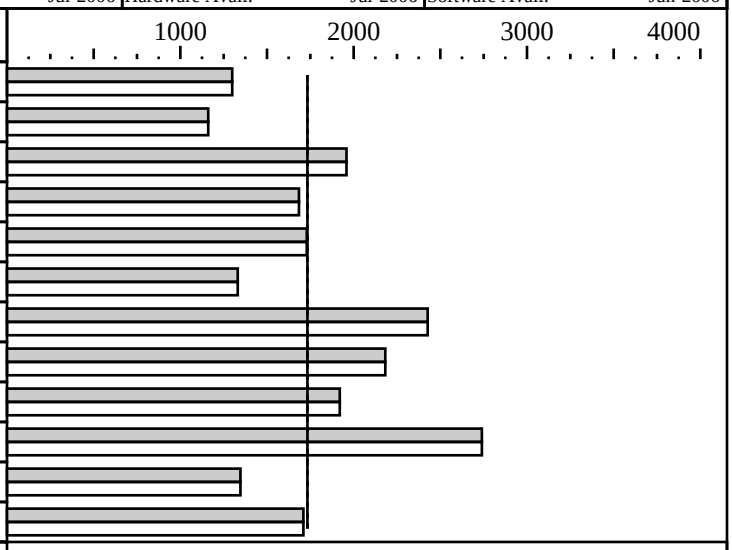
A20 (Intel Xeon processor 5080, 3.73GHz)

SPECint2000 = 1733

SPECint_base2000 = 1733

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	108	1299	108	1299
175.vpr	1400	121	1161	121	1161
176.gcc	1100	56.2	1959	56.2	1959
181.mcf	1800	107	1684	107	1684
186.crafty	1000	57.8	1729	57.8	1729
197.parser	1800	135	1331	135	1331
252.eon	1300	53.6	2427	53.6	2427
253.perlbmk	1800	82.5	2182	82.5	2182
254.gap	1100	57.3	1920	57.3	1920
255.vortex	1900	69.4	2740	69.4	2740
256.bzip2	1500	111	1347	111	1347
300.twolf	3000	175	1710	175	1710



Hardware

CPU:	Intel Xeon Processor 5080 (1066Mhz System Bus)
CPU MHz:	3733
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
```