CINT2000 Result

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ION

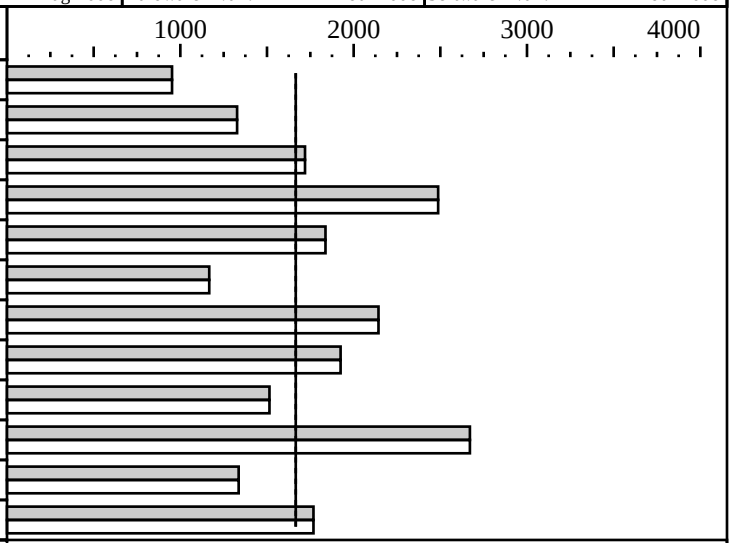
A20 (Intel Xeon processor 5110, 1.6GHz)

SPECint2000 = 1666

SPECint_base2000 = 1666

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	147	952	147	952
175.vpr	1400	105	1328	105	1328
176.gcc	1100	64.0	1719	64.0	1719
181.mcf	1800	72.4	2487	72.4	2487
186.crafty	1000	54.4	1837	54.4	1837
197.parser	1800	154	1167	154	1167
252.eon	1300	60.7	2143	60.7	2143
253.perlbmk	1800	93.5	1925	93.5	1925
254.gap	1100	72.6	1514	72.6	1514
255.vortex	1900	71.1	2671	71.1	2671
256.bzip2	1500	112	1336	112	1336
300.twolf	3000	170	1768	170	1768



Hardware

CPU:	Intel Xeon Processor 5110 (1066Mhz System Bus)
CPU MHz:	1600
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

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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