CINT2000 Result

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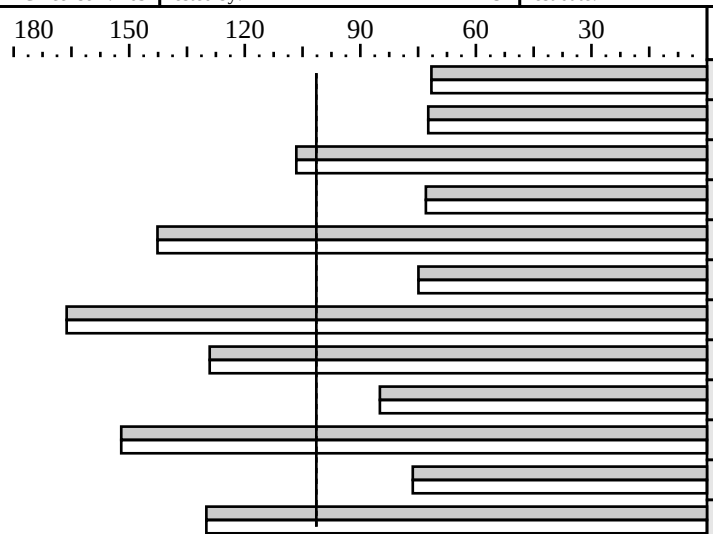
ION

A20 (Intel Xeon processor 5150, 2.66GHz)

SPECint_rate2000 = 101

SPECint_rate_base2000 = 101

SPEC license #: 2697 | Tested by: ION | Test date: Jul-2006 | Hardware Avail: Jul-2006 | Software Avail: Jun-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	90.8	71.5	4	90.8	71.5
175.vpr	4	89.8	72.4	4	89.8	72.4
176.gcc	4	47.9	107	4	47.9	107
181.mcf	4	114	73.0	4	114	73.0
186.crafty	4	32.5	143	4	32.5	143
197.parser	4	111	74.9	4	111	74.9
252.eon	4	36.3	166	4	36.3	166
253.perlbmk	4	64.7	129	4	64.7	129
254.gap	4	60.1	84.9	4	60.1	84.9
255.vortex	4	58.0	152	4	58.0	152
256.bzip2	4	91.1	76.4	4	91.1	76.4
300.twolf	4	107	130	4	107	130

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 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 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 -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
```

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Notes/Tuning Information (Continued)

```
                -DSPEC_CPU2000_LP64
   254.gap: -DSPEC_CPU2000_LP64 -DSYS_IS_USG
255.vortex: -DSPEC_CPU2000_LP64
```