CINT2000 Result

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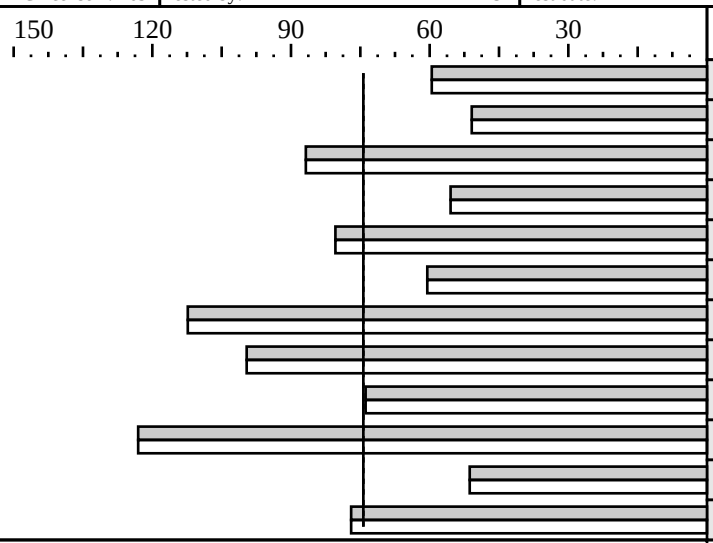
ION

A20 (Intel Xeon processor 5080, 3.73GHz)

SPECint_rate2000 = 74.3

SPECint_rate_base2000 = 74.3

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	109	59.5	4	109	59.5
175.vpr	4	128	50.9	4	128	50.9
176.gcc	4	58.8	86.8	4	58.8	86.8
181.mcf	4	151	55.5	4	151	55.5
186.crafty	4	57.7	80.4	4	57.7	80.4
197.parser	4	138	60.5	4	138	60.5
252.eon	4	53.7	112	4	53.7	112
253.perlbmk	4	83.9	99.6	4	83.9	99.6
254.gap	4	69.1	73.9	4	69.1	73.9
255.vortex	4	71.6	123	4	71.6	123
256.bzip2	4	136	51.3	4	136	51.3
300.twolf	4	181	77.0	4	181	77.0

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
```