CINT2000 Result

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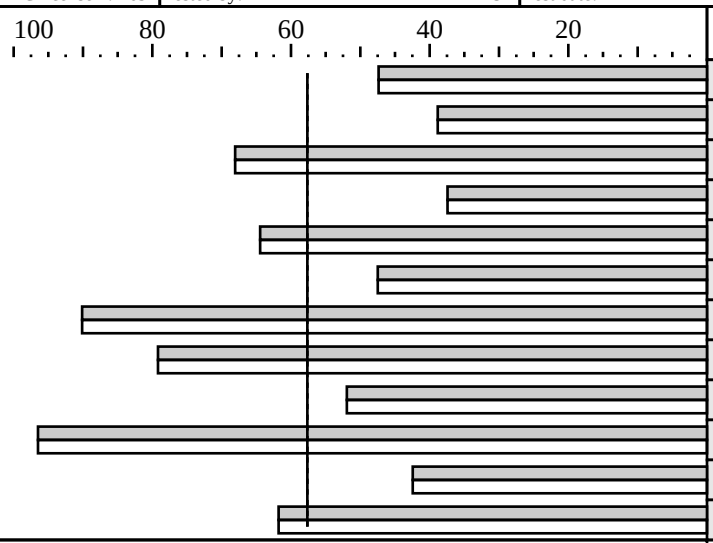
ION

A20 (Intel Xeon processor 5050, 3.0GHz)

SPECint_rate2000 = 57.6

SPECint_rate_base2000 = 57.6

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	137	47.4	4	137	47.4
175.vpr	4	167	38.8	4	167	38.8
176.gcc	4	75.0	68.1	4	75.0	68.1
181.mcf	4	223	37.4	4	223	37.4
186.crafty	4	72.0	64.4	4	72.0	64.4
197.parser	4	176	47.5	4	176	47.5
252.eon	4	66.9	90.1	4	66.9	90.1
253.perlbmk	4	105	79.2	4	105	79.2
254.gap	4	98.3	51.9	4	98.3	51.9
255.vortex	4	91.4	96.5	4	91.4	96.5
256.bzip2	4	164	42.4	4	164	42.4
300.twolf	4	225	61.8	4	225	61.8

Hardware

CPU:	Intel Xeon Processor 5050 (667Mhz System Bus)
CPU MHz:	3000
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
```