CINT2000 Result

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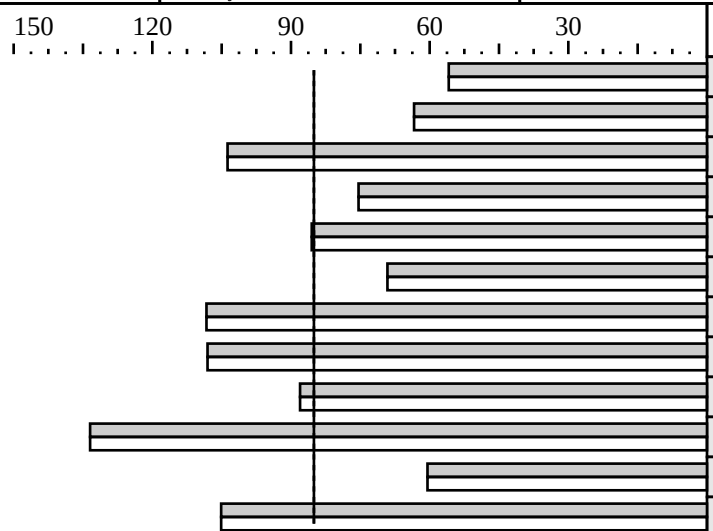
ION
A20 (Intel Xeon processor 5130, 2GHz)

SPECint_rate2000 = 85.0

SPECint_rate_base2000 = 85.0

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	116	55.9	4	116	55.9
175.vpr	4	103	63.4	4	103	63.4
176.gcc	4	49.2	104	4	49.2	104
181.mcf	4	111	75.4	4	111	75.4
186.crafty	4	54.3	85.5	4	54.3	85.5
197.parser	4	121	69.1	4	121	69.1
252.eon	4	55.7	108	4	55.7	108
253.perlbmk	4	77.3	108	4	77.3	108
254.gap	4	58.0	88.0	4	58.0	88.0
255.vortex	4	66.1	133	4	66.1	133
256.bzip2	4	115	60.5	4	115	60.5
300.twolf	4	132	105	4	132	105

Hardware

CPU:	Intel Xeon Processor 5130 (1333Mhz System Bus)
CPU MHz:	2000
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 80GB SATA (Seagate ST380817AS Barracuda 7200rpm)
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux ES 4 Update 3 for x86 (32-bit)
Compiler:	Intel(R) C++ Compiler for 32-bit apps, V9.1 (Build 20060706Z)
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 +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
       254.gap: -DSYS_IS_USG
```