CINT2000 Result

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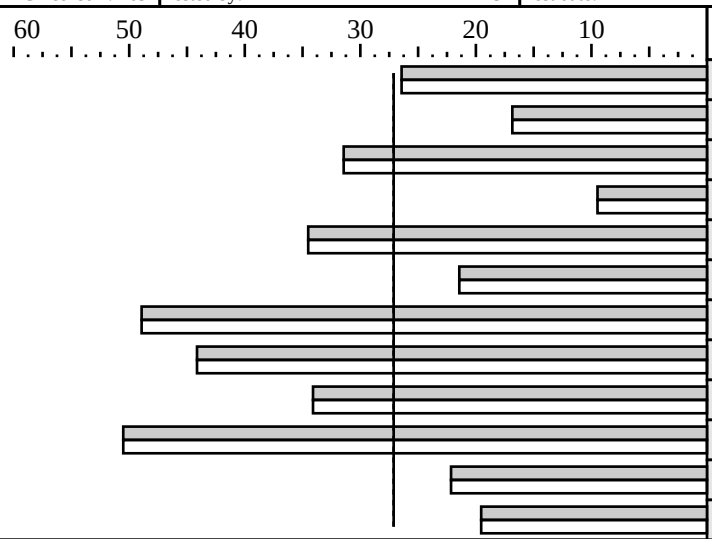
ION Computer Systems

LN10J (3.4GHz Xeon processor w. 1MB L2 cache)

SPECint_rate2000 = 27.1

SPECint_rate_base2000 = 27.1

SPEC license #: 2697 | Tested by: ION | Test date: Jan-2005 | Hardware Avail: Dec-2004 | Software Avail: Dec-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	123	26.4	2	123	26.4
175.vpr	2	193	16.8	2	193	16.8
176.gcc	2	81.2	31.4	2	81.2	31.4
181.mcf	2	441	9.48	2	441	9.48
186.crafty	2	67.2	34.5	2	67.2	34.5
197.parser	2	195	21.4	2	195	21.4
252.eon	2	61.6	48.9	2	61.6	48.9
253.perlbmk	2	94.6	44.1	2	94.6	44.1
254.gap	2	74.9	34.1	2	74.9	34.1
255.vortex	2	87.3	50.5	2	87.3	50.5
256.bzip2	2	157	22.1	2	157	22.1
300.twolf	2	356	19.5	2	356	19.5

Hardware

CPU:	Intel Xeon processor, 800MHz system bus
CPU MHz:	3392
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip, HyperThreading disabled
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KB(D) on chip
Secondary Cache:	1MB (I+D) on chip
L3 Cache:	None
Other Cache:	None
Memory:	4GB (4x1GB DDR2-400 DIMMs)
Disk Subsystem:	80GB Seagate SATA disk
Other Hardware:	None

Software

Operating System:	SuSE Linux Professional 9.1 for EM64T, 2.6.4-52-smp x86_64
Compiler:	Intel(R) C Compiler for EM64T, V8.1 (Build 20041123) Intel(R) C++ Compiler for EM64T, V8.1 (Build 20041123)
File System:	ext3
System State:	Multi-user, run level 3

Notes/Tuning Information

```
Portability Flags:
      176.gcc: srcalt=64bitgcc35
   186.crafty: -DLINUX_i386
      252.eon: -DHAS_ERRLIST
      252.eon: srcalt=stdcpp
  253.perlbmk: -DSPEC_CPU2000_LINUX_I386 -DSPEC_CPU2000_NEED_BOOL
               -DSPEC_CPU2000_GLIBC22 -DSPEC_CPU2000_LP64
      254.gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
               -DSYS_HAS_SIGNAL_PROTO -DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO
               -DSPEC_CPU2000_LP64
   255.vortex: -DSPEC_CPU2000_LP64
   255.vortex: srcalt=closed_files
HyperThreading disabled in BIOS

INT Baseline optimization flags:
   C programs: -xP -fast +FDO
 C++ programs: -xP -fast +FDO

INT Peak optimization flags:
```

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Notes/Tuning Information (Continued)

```
   164.gzip: basepeak=yes
    175.vpr: basepeak=yes
    176.gcc: basepeak=yes
    181.mcf: basepeak=yes
 186.crafty: basepeak=yes
 197.parser: basepeak=yes
    252.eon: basepeak=yes
253.perlbmk: basepeak=yes
    254.gap: basepeak=yes
 255.vortex: basepeak=yes
  256.bzip2: basepeak=yes
  300.twolf: basepeak=yes
```