CINT2000 Result

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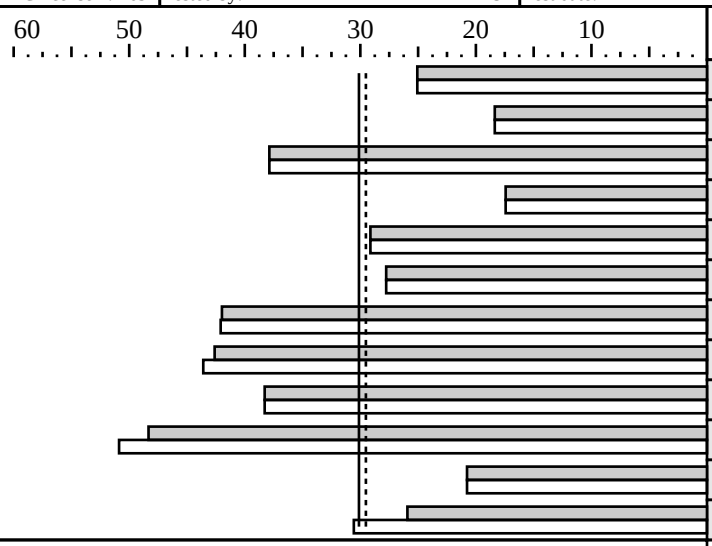
ION Computer Systems

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

SPECint_rate2000 = 30.1

SPECint_rate_base2000 = 29.5

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	130	25.1	2	130	25.1
175.vpr	2	177	18.4	2	177	18.4
176.gcc	2	67.4	37.9	2	67.4	37.9
181.mcf	2	240	17.4	2	240	17.4
186.crafty	2	79.6	29.1	2	79.6	29.1
197.parser	2	150	27.8	2	150	27.8
252.eon	2	71.8	42.0	2	71.7	42.1
253.perlbmk	2	98.0	42.6	2	95.8	43.6
254.gap	2	66.7	38.3	2	66.7	38.3
255.vortex	2	91.2	48.3	2	86.6	50.9
256.bzip2	2	168	20.8	2	168	20.8
300.twolf	2	268	25.9	2	228	30.6

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:	4 GB (4x1GB DDR2-400 DIMMs)
Disk Subsystem:	80GB Seagate SATA disk
Other Hardware:	None

Software

Operating System:	SuSE Linux Professional 9.1, IA-32, 2.6.4-52-smp
Compiler:	Intel(R) C Compiler, V8.1, IA-32 (Build 20041118Z) Intel(R) C++ Compiler, V8.1, IA-32 (Build 20041118Z) MicroQuill SmartHeap Library 7.1, IA-32 (www.microquill.com)
File System:	ext2
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
      254.gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
               -DSYS_HAS_SIGNAL_PROTO -DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO
   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:
      164.gzip: basepeak=yes
       175.vpr: basepeak=yes
```

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Notes/Tuning Information (Continued)

```
   176.gcc: basepeak=yes
   181.mcf: basepeak=yes
 186.crafty: basepeak=yes
 197.parser: basepeak=yes
   252.eon: -xN -fast +FDO
253.perlbmk: -xN -fast -lsmartheap +FDO
    254.gap: basepeak=yes
 255.vortex: -xN -fast -lsmartheap +FDO
  256.bzip2: basepeak=yes
  300.twolf: -xN -fast -Oa -lsmartheap +FDO
```