CINT2000 Result

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ION Computer Systems

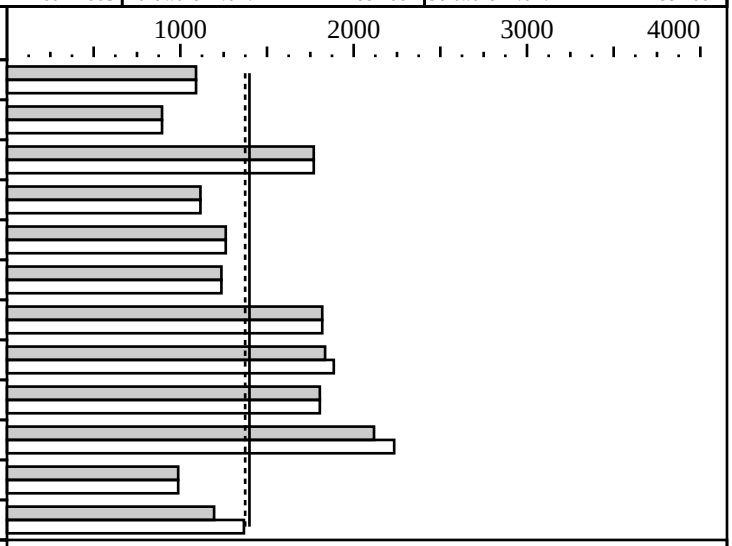
LN10J (3.4GHz Xeon processor w. 1MB L2 cache)

SPECint2000 = 1399

SPECint_base2000 = 1374

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	128	1091	128	1091
175.vpr	1400	157	894	157	894
176.gcc	1100	62.2	1770	62.2	1770
181.mcf	1800	161	1116	161	1116
186.crafty	1000	79.2	1262	79.2	1262
197.parser	1800	146	1237	146	1237
252.eon	1300	71.5	1819	71.5	1819
253.perlbmk	1800	98.1	1835	95.5	1885
254.gap	1100	60.9	1805	60.9	1805
255.vortex	1900	89.7	2117	85.1	2234
256.bzip2	1500	152	988	152	988
300.twolf	3000	251	1195	219	1367



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
```