CINT2000 Result

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ION Computer Systems

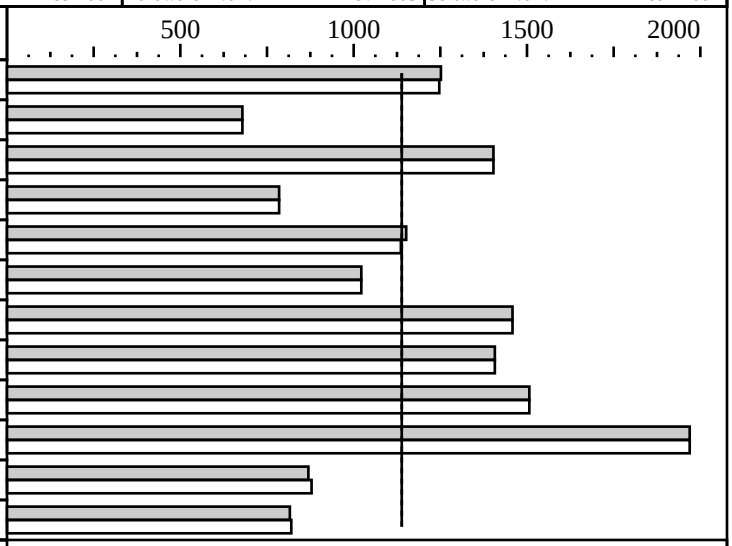
SR2300WV2 (3.066GHz Xeon processor w. 512KB L2 cache)

SPECint2000 = 1139

SPECint_base2000 = 1139

SPEC license #: 2697 | Tested by: ION | Test date: Feb-2004 | Hardware Avail: Nov-2003 | Software Avail: Jan-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	112	1252	112	1247
175.vpr	1400	206	679	206	679
176.gcc	1100	78.4	1403	78.4	1403
181.mcf	1800	229	785	229	785
186.crafty	1000	86.8	1152	88.0	1136
197.parser	1800	176	1022	176	1022
252.eon	1300	89.2	1458	89.2	1458
253.perlbmk	1800	128	1407	128	1407
254.gap	1100	73.0	1507	73.0	1507
255.vortex	1900	96.5	1969	96.5	1969
256.bzip2	1500	173	869	171	879
300.twolf	3000	368	816	366	820



Hardware

CPU:	Intel Xeon processor, 533MHz system bus
CPU MHz:	3057
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	No
Primary Cache:	12K(I) micro-ops + 8KB(D) on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	None
Other Cache:	None
Memory:	2 GB (2x1GB 2-2-2 DIMMs)
Disk Subsystem:	1x 80GB IDE
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux ES release 3
Compiler:	Intel(R) C++ Compiler for Linux 8.0 (Build 20031231Z)
File System:	ext2
System State:	Multi-user, 2.4.21 up kernel

Notes/Tuning Information

```
Only 1 processor installed
HyperThreading disabled in BIOS

Portability Flags:
       176.gcc: -Dalloca=_alloca -DUSG
    186.crafty: -DLINUX_i386
       252.eon: -DHAS_ERRLIST
       252.eon: srcalt=fmax_errno
   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

INT Baseline optimization flags:
    C programs: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use
  C++ programs: PASS1= -xN -prof_gen PASS2= -xN -ipo -O3 -prof_use
INT Peak optimization flags:
      164.gzip: PASS1= -xN -prof_gen PASS2= -xN -ipo -Oa -O3 -prof_use
       175.vpr: basepeak=yes
```

CINT2000 Result

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ION Computer Systems

SR2300WV2 (3.066GHz Xeon processor w. 512KB L2 cache)

SPECint2000 =	1139
SPECint_base2000 =	1139

SPEC license #: 2697	Tested by:	ION	Test date:	Feb-2004	Hardware Avail:	Nov-2003	Software Avail:	Jan-2004

Notes/Tuning Information (Continued)

```
    176.gcc: basepeak=yes
    181.mcf: basepeak=yes
 186.crafty: PASS1= -xN -prof_gen PASS2= -xN -ipo -Oa -O3 -prof_use
 197.parser: basepeak=yes
    252.eon: basepeak=yes
253.perlbmk: basepeak=yes
    254.gap: basepeak=yes
 255.vortex: basepeak=yes
  256.bzip2: PASS1= -xN -prof_gen PASS2= -xN -ipo -Oa -O3 -unroll1 -prof_use
  300.twolf: PASS1= -xN -prof_gen PASS2= -xN -ipo -Oa -O3 -prof_use
```