



CINT2000 Result

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ION Computer Systems
SR2300WV2 (3.2GHz Xeon processor w. 2MB L3 cache)

SPECint2000 = 1493
SPECint_base2000 = 1490

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	108	1297	108	1298	
175.vpr	1400	123	1140	123	1140	
176.gcc	1100	61.5	1788	61.5	1788	
181.mcf	1800	131	1373	131	1373	
186.crafty	1000	80.6	1241	80.2	1247	
197.parser	1800	139	1297	139	1297	
252.eon	1300	85.3	1524	85.3	1524	
253.perlbmk	1800	116	1545	116	1545	
254.gap	1100	68.9	1596	68.9	1596	
255.vortex	1900	75.9	2502	75.9	2502	
256.bzip2	1500	118	1273	115	1306	
300.twolf	3000	175	1711	176	1702	

Hardware

CPU: Intel Xeon processor, 533MHz system bus
 CPU MHz: 3200
 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: 2048KB(I+D) on chip
 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 smp 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

```



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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.perlbnk: 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
```