



CINT2000 Result

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ION Computer Systems
SR2300WV2 (3.2GHz Xeon processor w. 1MB L3 cache)

SPECint2000 = 1330
SPECint_base2000 = 1327

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	1000 2000 3000 4000			
164.gzip	1400	108	1299	108	1296	[Bar chart showing ratio 1296]			
175.vpr	1400	151	925	151	925	[Bar chart showing ratio 925]			
176.gcc	1100	67.5	1630	67.5	1630	[Bar chart showing ratio 1630]			
181.mcf	1800	192	936	192	936	[Bar chart showing ratio 936]			
186.crafty	1000	80.8	1238	80.6	1241	[Bar chart showing ratio 1241]			
197.parser	1800	153	1178	153	1178	[Bar chart showing ratio 1178]			
252.eon	1300	85.4	1523	85.4	1523	[Bar chart showing ratio 1523]			
253.perlbmk	1800	120	1497	120	1497	[Bar chart showing ratio 1497]			
254.gap	1100	70.0	1572	70.0	1572	[Bar chart showing ratio 1572]			
255.vortex	1900	84.6	2247	84.6	2247	[Bar chart showing ratio 2247]			
256.bzip2	1500	143	1051	140	1068	[Bar chart showing ratio 1068]			
300.twolf	3000	228	1313	226	1330	[Bar chart showing ratio 1330]			

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: 1024KB(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)

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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
```