



CINT2000 Result

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

SPECint2000 = 1278
SPECint_base2000 = 1278

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	122	1147	122	1147	
175.vpr	1400	174	804	174	804	
176.gcc	1100	73.0	1507	73.0	1507	
181.mcf	1800	301	598	301	598	
186.crafty	1000	66.7	1500	66.7	1500	
197.parser	1800	183	983	183	983	
252.eon	1300	61.4	2116	61.4	2116	
253.perlbmk	1800	93.6	1924	93.6	1924	
254.gap	1100	65.0	1693	65.0	1693	
255.vortex	1900	84.5	2247	84.5	2247	
256.bzip2	1500	140	1071	140	1071	
300.twolf	3000	320	937	320	937	

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 for EM64T, 2.6.4-52-smp x86_64
 Compiler: Intel(R) C Compiler for EM64T, V8.1 (Build 20041123)
 Intel(R) C++ Compiler for EM64T, V8.1 (Build 20041123)
 File System: ext3
 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 -DSPEC_CPU2000_LP64
254.gap: -DSYS_IS_USG -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO
          -DSYS_HAS_SIGNAL_PROTO -DSYS_HAS_ANSI -DSYS_HAS_CALLOC_PROTO
          -DSPEC_CPU2000_LP64
255.vortex: -DSPEC_CPU2000_LP64
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:



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Notes/Tuning Information (Continued)

164.gzip: basepeak=yes
175.vpr: basepeak=yes
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: basepeak=yes
197.parser: basepeak=yes
252.eon: basepeak=yes
253.perlbnk: basepeak=yes
254.gap: basepeak=yes
255.vortex: basepeak=yes
256.bzip2: basepeak=yes
300.twolf: basepeak=yes