



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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SPECint2000 = 1399
SPECint_base2000 = 1374

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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.perlbnk: -xN -fast -lsmarheap +FDO
254.gap: basepeak=yes
255.vortex: -xN -fast -lsmarheap +FDO
256.bzip2: basepeak=yes
300.twolf: -xN -fast -Oa -lsmarheap +FDO
```