CINT2000 Result

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ION Computer Systems

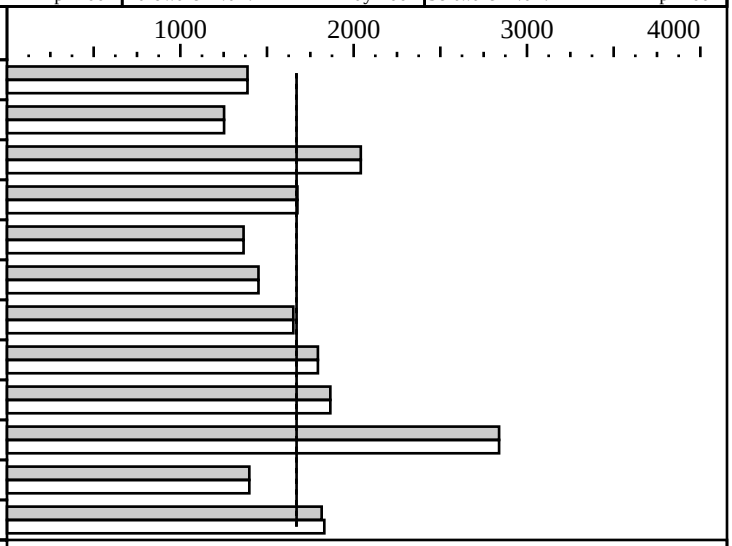
SR1325TP (3.4GHz Pentium 4 processor with HT Technology Extreme Edition)

SPECint2000 = 1671

SPECint_base2000 = 1669

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	101	1388	101	1388
175.vpr	1400	112	1252	112	1252
176.gcc	1100	53.9	2041	53.9	2041
181.mcf	1800	107	1676	107	1676
186.crafty	1000	73.3	1365	73.3	1365
197.parser	1800	124	1451	124	1451
252.eon	1300	78.7	1652	78.7	1652
253.perlbmk	1800	100	1794	100	1794
254.gap	1100	59.0	1865	59.0	1865
255.vortex	1900	66.9	2839	66.9	2839
256.bzip2	1500	107	1398	107	1398
300.twolf	3000	165	1815	164	1831



Hardware

CPU:	Intel Pentium 4 processor with HT Technology Extreme Edition, 3.4GHz, 800MHz bus
CPU MHz:	3392
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip, HT Technology disabled
CPU(s) orderable:	1
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 DDR400, 3-3-3, (4x512GB DIMMs)
Disk Subsystem:	1x 200GB IDE, 7200rpm
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux ES release 3
Compiler:	Intel(R) C++ Compiler for Linux 8.0 (Build 20040412Z) MicroQuill SmartHeap Library 7.1 (www.microquill.com)
File System:	ext2
System State:	Multi-user, 2.4.21 up kernel

Notes/Tuning Information

```
Hyper Threading Technology 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
HyperThreading disabled in BIOS

INT Baseline optimization flags:
   C programs: PASS1= -xN -prof_gen PASS2= -xN -fast -prof_use
 C++ programs: PASS1= -xN -prof_gen PASS2= -xN -fast -ansi_alias -prof_use
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.perlbmk: basepeak=yes
    254.gap: basepeak=yes
 255.vortex: basepeak=yes
  256.bzip2: basepeak=yes
  300.twolf: PASS1= -xN -prof_gen PASS2= -xN -ipo -Oa -O3 -prof_use
  300.twolf: Extra Library: smartheap.a
```