



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	1000 2000 3000 4000			
164.gzip	1400	101	1388	101	1388	[Bar chart showing ratio 1388]			
175.vpr	1400	112	1252	112	1252	[Bar chart showing ratio 1252]			
176.gcc	1100	53.9	2041	53.9	2041	[Bar chart showing ratio 2041]			
181.mcf	1800	107	1676	107	1676	[Bar chart showing ratio 1676]			
186.crafty	1000	73.3	1365	73.3	1365	[Bar chart showing ratio 1365]			
197.parser	1800	124	1451	124	1451	[Bar chart showing ratio 1451]			
252.eon	1300	78.7	1652	78.7	1652	[Bar chart showing ratio 1652]			
253.perlbmk	1800	100	1794	100	1794	[Bar chart showing ratio 1794]			
254.gap	1100	59.0	1865	59.0	1865	[Bar chart showing ratio 1865]			
255.vortex	1900	66.9	2839	66.9	2839	[Bar chart showing ratio 2839]			
256.bzip2	1500	107	1398	107	1398	[Bar chart showing ratio 1398]			
300.twolf	3000	165	1815	164	1831	[Bar chart showing ratio 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.perlbnk: 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
```