CINT2000 Result

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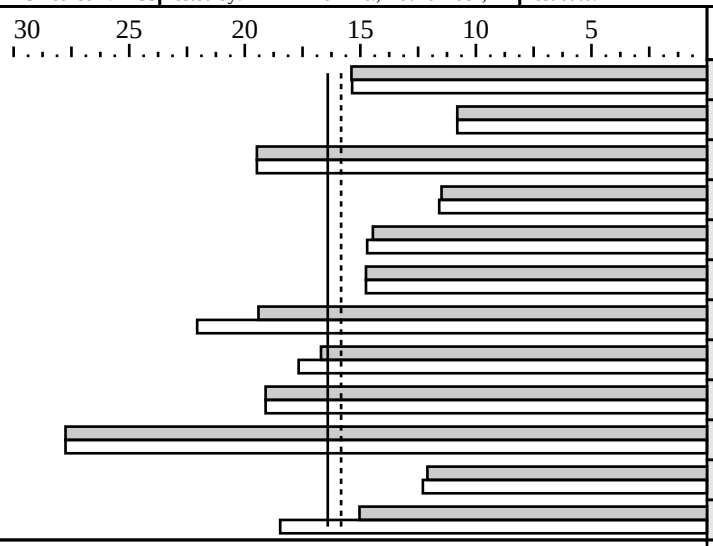
Dell

Precision Workstation 650 (3.20 GHz Xeon, 1MB L3 Cache)

SPECint_rate2000 = 16.4

SPECint_rate_base2000 = 15.8

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Jan-2004 | Hardware Avail: Oct-2003 | Software Avail: Dec-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	106	15.4	1	106	15.4
175.vpr	1	150	10.8	1	150	10.8
176.gcc	1	65.5	19.5	1	65.5	19.5
181.mcf	1	182	11.5	1	180	11.6
186.crafty	1	80.2	14.5	1	78.9	14.7
197.parser	1	142	14.8	1	142	14.8
252.eon	1	77.7	19.4	1	68.4	22.1
253.perlbmk	1	125	16.7	1	118	17.7
254.gap	1	66.8	19.1	1	66.8	19.1
255.vortex	1	79.4	27.8	1	79.4	27.8
256.bzip2	1	144	12.1	1	142	12.3
300.twolf	1	231	15.0	1	188	18.5

Hardware

CPU:	Intel Xeon (533 MHz system bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	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:	N/A
Memory:	4 x 512MB ECC CL2-2-2 PC2100 DDR SDRAM
Disk Subsystem:	1 x 36GB U320 SCSI, 10K RPM
Other Hardware:	

Software

Operating System:	Windows XP Professional SP1
Compiler:	Intel C/C++ Compiler 8.0 (20031229Z) Microsoft Visual Studio .NET (7.0.9466)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
PORTABILITY FLAGS
  176.gcc:     -Dalloca=_alloca /F10000000
  186.crafy:   -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap:     -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
FEEDBACK DIRECTED OPTIMIZATION
  ONESTEP=yes
  FDO:         PASS1=-Qprof_gen  PASS2=-Qprof_use
BASE TUNING
  C:           -QxN -Qipo -O3     +FDO
  C++:         -QxN -Qipo              -GX -GR
PEAK TUNING
  164.gzip:    -QxN -Qipo -O3 -Oa +FDO
  175.vpr:     basepeak=yes
  176.gcc:     basepeak=yes
  181.mcf:     -QxN -Qipo -O3     +FDO shlW32M.lib
  186.crafty:  -QxN -Qipo -O3 -Oa +FDO shlW32M.lib
  197.parser:  basepeak=yes
  252.eon:     -QxN -Qipo -O3     +FDO
  253.perlbmk: -QxN -Qipo -O3     +FDO shlW32M.lib
```

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Notes/Tuning Information (Continued)

```
  254.gap:     basepeak=yes
  255.vortex   basepeak=yes
  256.bzip2:         -Qipo     -Oa -Qunroll1 +FDO shlW32M.lib
  300.twolf:   -QxN -Qipo -O3     +FDO shlW32M.lib
EXTRA LIBRARIES
  shlW32M.lib: MicroQuill SmartHeap Library 7.1
               www.microquill.com
NOTES
  1 CPU Disabled in the BIOS.
  Hyper-Threading Technology not enabled.
```