



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell

Precision Workstation 650 (2.40 GHz Xeon, 1MB L3 Cache)

SPECint_rate2000 = 13.0

SPECint_rate_base2000 = 12.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	140	11.6	1	140	11.6
175.vpr	1	182	8.90	1	182	8.90
176.gcc	1	82.0	15.6	1	82.0	15.6
181.mcf	1	193	10.8	1	193	10.8
186.crafy	1	106	10.9	1	105	11.0
197.parser	1	181	11.5	1	181	11.5
252.eon	1	104	14.6	1	91.2	16.5
253.perlbnk	1	163	12.8	1	155	13.5
254.gap	1	84.9	15.0	1	84.9	15.0
255.vortex	1	98.5	22.4	1	98.5	22.4
256.bzip2	1	173	10.0	1	171	10.2
300.twolf	1	290	12.0	1	247	14.1

Hardware

CPU: Intel Xeon (533 MHz system bus)
CPU MHz: 2400
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 18GB 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.perlbnk: -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.crafy: -QxN -Qipo -O3 -Oa +FDO shlw32M.lib
197.parser: basepeak=yes
252.eon: -QxN -Qipo -O3 +FDO
253.perlbnk: -QxN -Qipo -O3 +FDO shlw32M.lib



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
Precision Workstation 650 (2.40 GHz Xeon, 1MB L3 Cache)

SPECint_rate2000 = 13.0
SPECint_rate_base2000 = 12.6

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

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.