



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
PowerEdge 2650 (2.4 GHz Xeon)

SPECint_rate2000 = 9.46
SPECint_rate_base2000 = 9.19

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2002 | Hardware Avail: May-2002 | Software Avail: Jun-2001

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	155	10.5	1	153	10.6
175.vpr	1	330	4.92	1	315	5.16
176.gcc	1	121	10.6	1	120	10.6
181.mcf	1	364	5.74	1	362	5.76
186.crafty	1	124	9.37	1	123	9.45
197.parser	1	229	9.11	1	227	9.19
252.eon	1	118	12.8	1	102	14.8
253.perlbnk	1	165	12.7	1	165	12.7
254.gap	1	110	11.6	1	108	11.8
255.vortex	1	157	14.1	1	145	15.2
256.bzip2	1	252	6.92	1	250	6.97
300.twolf	1	470	7.40	1	466	7.46

Hardware

CPU: Intel Xeon
CPU MHz: 2400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1, 2
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4GB PC1600 (DDR 200)
Disk Subsystem: 1 x 9.2GB Quantum Atlas 10K II U160
Other Hardware:

Software

Operating System: Windows 2000 Professional (SP2)
Compiler: Intel C++ Compiler 5.0.1 (010922Z)
Microsoft Visual C++ 6.0 (SP5)
MicroQuill SmartHeap Library 5.0
File System: NTFS
System State: Default

Notes/Tuning Information

PORTABILITY FLAGS

```
176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
```

FEEDBACK-DIRECTED OPTIMIZATION

```
FDO: PASS1= -Qprof_gen PASS2= -Qprof_use
```

BASE TUNING

```
C: -Qipo +FDO -QxW shlW32M.lib
C++: -Qipo -QxW -GX -GR
```

PEAK TUNING

```
164.gzip: -Qipo +FDO -QxW -Oi- -Oa
175.vpr: -Qwp_ipo +FDO -QxW
```



CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell
PowerEdge 2650 (2.4 GHz Xeon)

SPECint_rate2000 = 9.46

SPECint_rate_base2000 = 9.19

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2002 | Hardware Avail: May-2002 | Software Avail: Jun-2001

Notes/Tuning Information (Continued)

```
176.gcc:      -Qipo +FDO -QxW shlw32M.lib
181.mcf:      -Qipo +FDO -QxW shlw32M.lib
186.crafty:   -Qipo +FDO -QxW -Oa shlw32M.lib
197.parser:   -Qipo +FDO -QxW
252.eon:      -Qipo +FDO -QxW
253.perlbnk:  -Qipo +FDO -QxW shlw32M.lib
254.gap:      -Qipo +FDO -QaxW
255.vortex:   -Qwp_ipo +FDO -QxW -Oa
256.bzip2:    -Qipo +FDO -QxW shlw32M.lib
300.twolf:    -Qipo +FDO -QxW shlw32M.lib
```

EXTRA LIBRARIES

```
shlw32M.lib: MicroQuill SmartHeap Library 5.0
              www.microquill.com
```

1 CPU configuration achieved by editing boot.ini