



CINT2000 Result

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Dell
PowerEdge 2650 (3.06 GHz Xeon, 1MB L3)

SPECint_rate2000 = 14.6
SPECint_rate_base2000 = 14.0

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Oct-2003 | Hardware Avail: Jul-2003 | Software Avail: Apr-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	116	14.0	1	116	14.0
175.vpr	1	164	9.88	1	165	9.86
176.gcc	1	71.6	17.8	1	71.6	17.8
181.mcf	1	233	8.97	1	231	9.03
186.crafty	1	84.8	13.7	1	84.8	13.7
197.parser	1	156	13.4	1	156	13.4
252.eon	1	95.8	15.7	1	82.7	18.2
253.perlbnk	1	134	15.5	1	128	16.3
254.gap	1	69.8	18.3	1	69.8	18.3
255.vortex	1	101	21.7	1	101	21.7
256.bzip2	1	161	10.8	1	154	11.3
300.twolf	1	260	13.4	1	193	18.1

Hardware

CPU: Intel Pentium Xeon (533 MHz system bus)
 CPU MHz: 3066
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
 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: 1024KB(I+D) on chip
 Other Cache: N/A
 Memory: 4 X 512MB DDR266
 Disk Subsystem: 1 x 17GB Ultra3 Seagate SCSI
 Other Hardware:

Software

Operating System: Windows 2000 Server (SP2)
 Compiler: Intel C++ Compiler 7.1 (20030402Z)
 Microsoft Visual Studio .NET (7.0.9466)
 MicroQuill SmartHeap Library 6.01
 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

FDO: PASS1= -Qprof_gen PASS2=-Qprof_use

BASE TUNING

C: -QxW -Qipo -O3 +FDO
 C++: -QxW -Qipo -GX -GR

PEAK TUNING

164.gzip: -QxW -Qipo -Oa -O3 +FDO
 175.vpr: -QxW -Qipo -O3 +FDO
 176.gcc: -QxW -Qipo -O3 +FDO
 181.mcf: -QxW -Qipo -O3 +FDO shlw32M.lib
 186.crafty: PASS1= -Qprof_gen PASS2= -Qipo -Qprof_use -QxW -O3
 197.parser: -QxW -Qipo -O3 +FDO
 252.eon: PASS1= -Qprof_gen PASS2= -Qipo -Qprof_use -QxW -O3
 253.perlbnk: -QxW -Qipo -O3 +FDO shlw32M.lib
 254.gap: basepeak=yes



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Notes/Tuning Information (Continued)

```
255.vortex    basepeak=yes
256.bzip2:    -Qipo -Oa -Qunroll1 +FDO
300.twolf:    -Qipo -QxW -O3 -Oa      shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib:  MicroQuill SmartHeap Library 6.01
              www.microquill.com
ONESTEP=YES is set for all benchmarks
Hyper-Threading Technology disabled in BIOS
```