



CINT2000 Result

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Dell
PowerEdge 2650 (2.8 GHz Xeon)

SPECint_rate2000 = 10.5
SPECint_rate_base2000 = 10.2

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	137	11.8	1	134	12.1
175.vpr	1	310	5.25	1	294	5.53
176.gcc	1	111	11.5	1	110	11.6
181.mcf	1	358	5.84	1	352	5.93
186.crafty	1	106	11.0	1	105	11.1
197.parser	1	206	10.1	1	204	10.2
252.eon	1	97.8	15.4	1	85.6	17.6
253.perlbnk	1	142	14.7	1	142	14.7
254.gap	1	97.4	13.1	1	95.0	13.4
255.vortex	1	148	14.9	1	138	16.0
256.bzip2	1	228	7.62	1	227	7.67
300.twolf	1	430	8.10	1	424	8.20

Hardware

CPU: Intel Xeon (400 MHz system bus)
CPU MHz: 2800
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: None
Other Cache: None
Memory: 6 x 512MB DDR200
Disk Subsystem: 1 x 36.4GB IBM DDYS-T36950M
Other Hardware: None

Software

Operating System: Windows 2000 Advanced Server (SP2)
Compiler: Intel C++ Compiler 5.0.1 (020125Z)
Microsoft Visual C++ 6.0 (SP5)
MicroQuill SmartHeap Library 5.0
File System: NTFS
System State: Hyper-Threading Technology disabled in BIOS

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
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



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Notes/Tuning Information (Continued)

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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
```