



CINT2000 Result

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Dell
PowerEdge 6650 (2.0 GHz Xeon MP)

SPECint_rate2000 = 34.7
SPECint_rate_base2000 = 33.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	190	34.2	4	188	34.6
175.vpr	4	252	25.8	4	241	27.0
176.gcc	4	106	47.9	4	106	48.1
181.mcf	4	600	13.9	4	617	13.5
186.crafty	4	143	32.6	4	140	33.1
197.parser	4	244	34.2	4	242	34.6
252.eon	4	141	42.6	4	122	49.4
253.perlbnk	4	193	43.3	4	193	43.4
254.gap	4	197	25.9	4	198	25.8
255.vortex	4	167	52.7	4	157	56.3
256.bzip2	4	229	30.4	4	231	30.1
300.twolf	4	298	46.7	4	298	46.8

Hardware

CPU: Intel Xeon (400 MHz system bus)
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1, 2, 4
Parallel: No
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: 2048KB(I+D) on chip
Other Cache: None
Memory: 8 x 512MB DDR200
Disk Subsystem: 1 x 36GB SEAGATE ST336706LC
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
```