



CINT2000 Result

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Dell
PowerEdge 6650 (2.0 GHz Xeon MP)

SPECint_rate2000 = 18.7
SPECint_rate_base2000 = 18.1

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	2	187	17.4	2	184	17.7
175.vpr	2	235	13.8	2	224	14.5
176.gcc	2	103	24.8	2	103	24.8
181.mcf	2	397	10.5	2	384	10.9
186.crafty	2	141	16.4	2	140	16.6
197.parser	2	240	17.4	2	238	17.5
252.eon	2	141	21.4	2	122	24.7
253.perlbnk	2	192	21.8	2	192	21.8
254.gap	2	170	15.0	2	166	15.4
255.vortex	2	165	26.7	2	151	29.2
256.bzip2	2	219	15.9	2	217	16.0
300.twolf	2	297	23.4	2	297	23.4

Hardware

CPU: Intel Xeon (400 MHz system bus)
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 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
```