



CINT2000 Result

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Dell
PowerEdge 2650 (2.8 GHz Xeon)

SPECint_rate2000 = 18.8

SPECint_rate_base2000 = 18.0

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	2	139	23.3	2	136	23.8
175.vpr	2	360	9.02	2	336	9.67
176.gcc	2	149	17.2	2	141	18.1
181.mcf	2	599	6.97	2	562	7.44
186.crafty	2	106	21.9	2	105	22.1
197.parser	2	223	18.7	2	217	19.2
252.eon	2	97.7	30.9	2	85.6	35.2
253.perlbnk	2	143	29.1	2	143	29.2
254.gap	2	109	23.5	2	106	24.0
255.vortex	2	149	29.5	2	143	30.8
256.bzip2	2	283	12.3	2	269	12.9
300.twolf	2	477	14.6	2	475	14.7

Hardware

CPU: Intel Xeon (400 MHz system bus)
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 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
```