



CINT2000 Result

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Dell
PowerEdge 2650 (3.06 GHz Xeon)

SPECint_rate2000 = 12.2
SPECint_rate_base2000 = 11.8

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2003 | Hardware Avail: Jun-2003 | Software Avail: Jun-2002

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	123	13.3	1	111	14.6
175.vpr	1	264	6.15	1	245	6.62
176.gcc	1	90.9	14.0	1	89.8	14.2
181.mcf	1	281	7.44	1	280	7.44
186.crafty	1	86.7	13.4	1	86.4	13.4
197.parser	1	185	11.3	1	179	11.7
252.eon	1	97.0	15.6	1	82.4	18.3
253.perlbnk	1	133	15.7	1	133	15.7
254.gap	1	80.8	15.8	1	78.7	16.2
255.vortex	1	127	17.4	1	120	18.3
256.bzip2	1	200	8.69	1	198	8.79
300.twolf	1	375	9.28	1	369	9.42

Hardware

CPU: Intel 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: N/A
 Other Cache: N/A
 Memory: 4 x 512MB DDR266 CL 2.5
 Disk Subsystem: 1 x 18GB Seagate Ultra U320 SCSI
 Other Hardware:

Software

Operating System: Windows 2000 Server (Build 2195 SP3)
 Compiler: Intel C++ Compiler 6.0 (020423Z)
 Microsoft Visual Studio .NET (7.0.9466)
 MicroQuill SmartHeap Library 6.01
 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 -QxW +FDO shlW32M.lib
 C++: -QxW -GX -GR +FDO

PEAK TUNING

164.gzip: -Qipo -QxW -O3 +FDO
 175.vpr: -Qipo -QxW -O3 +FDO
 176.gcc: -Qipo -QxW -O3 +FDO
 181.mcf: -Qipo -QxW -O3 +FDO shlW32M.lib
 186.crafty: -Qipo -QxW -O3 +FDO
 197.parser: -Qipo -QxW -O3 +FDO
 252.eon: -Qipo -QxW -O3 +FDO
 253.perlbnk: -Qipo -QxW +FDO shlW32M.lib
 254.gap: -Qipo -QaxW -O3 +FDO



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Notes/Tuning Information (Continued)

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255.vortex: -Qwp_ipo -QxW -O3 -Oa +FDO
256.bzip2:  -Qipo -QxW -O3
300.twolf:  -Qipo -QxW -O3 -Oa shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 6.01
              www.microquill.com
```