



CINT2000 Result

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Dell
PowerEdge 4600 (2.0 GHz Xeon)

SPECint_rate2000 = 8.13

SPECint_rate_base2000 = 7.95

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	185	8.76	1	184	8.84
175.vpr	1	372	4.36	1	357	4.54
176.gcc	1	135	9.43	1	136	9.42
181.mcf	1	381	5.48	1	379	5.50
186.crafy	1	148	7.84	1	148	7.83
197.parser	1	266	7.86	1	264	7.91
252.eon	1	142	10.6	1	122	12.3
253.perlbnk	1	195	10.7	1	195	10.7
254.gap	1	125	10.2	1	122	10.4
255.vortex	1	195	11.3	1	186	11.9
256.bzip2	1	285	6.11	1	285	6.10
300.twolf	1	536	6.49	1	534	6.52

Hardware

CPU: Intel Xeon
 CPU MHz: 2000
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 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: 16 x 256MB PC1600 DDR
 Disk Subsystem: 1 x 18GB SEAGATE U160
 Other Hardware:

Software

Operating System: Windows 2000 Server Service Pack 2 Build 2195
 Compiler: Intel C++ Compiler 5.0.1 (010727Z)
 Microsoft Visual C++ 6.0 (SP5)
 MicroQuill SmartHeap Library 5.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

PORTABILITY FLAGS

176.gcc: -Dalloca=_alloca /F10000000
 186.crafy: -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.crafy: -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 shlw32M.lib
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
/numprocs=1 was added to c:\boot.ini file to disable additional CPUs on this system
```