



# CINT2000 Result

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**Dell**  
**PowerEdge 2650 (3.06 GHz Xeon)**

SPECint2000 = **1056**  
SPECint\_base2000 = **1014**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	123	1142	111	1260	
175.vpr	1400	264	530	245	570	
176.gcc	1100	90.9	1210	89.8	1225	
181.mcf	1800	281	641	280	642	
186.crafty	1000	86.7	1153	86.4	1158	
197.parser	1800	185	975	179	1005	
252.eon	1300	97.0	1341	82.4	1578	
253.perlbnk	1800	133	1357	133	1357	
254.gap	1100	80.8	1362	78.7	1398	
255.vortex	1900	127	1501	120	1580	
256.bzip2	1500	200	749	198	758	
300.twolf	3000	375	800	369	812	

### 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)

```
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
```