



# CINT2000 Result

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**Dell**  
**PowerEdge 2650 (2.8 GHz Xeon)**

SPECint2000 = **907**  
SPECint\_base2000 = **879**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	137	1021	134	1046	
175.vpr	1400	310	452	294	477	
176.gcc	1100	111	990	110	999	
181.mcf	1800	358	503	352	511	
186.crafty	1000	106	947	105	955	
197.parser	1800	206	874	204	881	
252.eon	1300	97.8	1329	85.6	1519	
253.perlbmk	1800	142	1270	142	1271	
254.gap	1100	97.4	1129	95.0	1158	
255.vortex	1900	148	1284	138	1379	
256.bzip2	1500	228	657	227	661	
300.twolf	3000	430	698	424	707	

### Hardware

CPU: Intel Xeon (400 MHz system bus)  
 CPU MHz: 2800  
 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: 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.perlbmk: -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.perlbmk: -Qipo +FDO -QxW shlW32M.lib  
 254.gap: -Qipo +FDO -QaxW



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## Notes/Tuning Information (Continued)

```
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
```