



# CINT2000 Result

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**Dell**  
**PowerEdge 6650 (2.0 GHz Xeon MP)**

SPECint2000 = **842**  
SPECint\_base2000 = **816**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	185	758	183	766	
175.vpr	1400	224	625	216	649	
176.gcc	1100	100	1100	100	1098	
181.mcf	1800	301	599	301	599	
186.crafty	1000	140	712	139	717	
197.parser	1800	231	778	230	784	
252.eon	1300	141	920	122	1066	
253.perlbmk	1800	189	952	189	952	
254.gap	1100	152	722	151	729	
255.vortex	1900	170	1118	145	1307	
256.bzip2	1500	211	712	210	713	
300.twolf	3000	297	1009	298	1008	

### Hardware

CPU: Intel Xeon (400 MHz system bus)  
CPU MHz: 2000  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1, 2, 4  
Parallel: No  
Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
Secondary Cache: 512KB(I+D) on chip  
L3 Cache: 2048KB(I+D) on chip  
Other Cache: None  
Memory: 4 x 128MB DDR200  
Disk Subsystem: 1 x 36GB SEAGATE ST336706LC  
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
```