



# CINT2000 Result

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**Dell**  
PowerEdge 1750 (3.2 GHz Xeon, 1MB L3)

SPECint2000 = 1289  
SPECint\_base2000 = 1230

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Oct-2003 Hardware Avail: Oct-2003 Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	112	1249	112	1251	
175.vpr	1400	164	856	163	857	
176.gcc	1100	70.5	1560	70.6	1559	
181.mcf	1800	239	753	237	758	
186.crafty	1000	81.7	1225	81.6	1226	
197.parser	1800	152	1181	152	1181	
252.eon	1300	91.9	1414	79.4	1638	
253.perlbmk	1800	129	1396	123	1465	
254.gap	1100	68.1	1615	68.1	1615	
255.vortex	1900	101	1882	101	1882	
256.bzip2	1500	159	941	154	977	
300.twolf	3000	257	1165	187	1607	

### Hardware

CPU: Intel Pentium Xeon (533 MHz system bus)  
CPU MHz: 3200  
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: 1024KB(I+D) on chip  
Other Cache: N/A  
Memory: 4 X 512MB DDR266  
Disk Subsystem: 1 x 17GB Ultra3 Seagate SCSI  
Other Hardware:

### Software

Operating System: Windows 2000 Server (SP2)  
Compiler: Intel C++ Compiler 7.1 (20030402Z)  
Microsoft Visual Studio .NET (7.0.9466)  
MicroQuill SmartHeap Library 6.01  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### PORTABILITY FLAGS

176.gcc: -Dalloca=\_alloca /F10000000  
186.crafy: -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: -QxW -Qipo -O3 +FDO  
C++: -QxW -Qipo -GX -GR

### PEAK TUNING

164.gzip: -QxW -Qipo -Oa -O3 +FDO  
175.vpr: -QxW -Qipo -O3 +FDO  
176.gcc: -QxW -Qipo -O3 +FDO  
181.mcf: -QxW -Qipo -O3 +FDO shlw32M.lib  
186.crafty: PASS1= -Qprof\_gen PASS2= -Qipo -Qprof\_use -QxW -O3  
197.parser: -QxW -Qipo -O3 +FDO  
252.eon: PASS1= -Qprof\_gen PASS2= -Qipo -Qprof\_use -QxW -O3  
253.perlbmk: -QxW -Qipo -O3 +FDO shlw32M.lib  
254.gap: basepeak=yes



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## Notes/Tuning Information (Continued)

```
255.vortex    basepeak=yes
256.bzip2:    -Qipo -Oa -Qunroll1 +FDO
300.twolf:    -Qipo -QxW -O3 -Oa      shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib:  MicroQuill SmartHeap Library 6.01
              www.microquill.com
ONESTEP=YES is set for all benchmarks
Hyper-Threading Technology disabled in BIOS
```