



# CINT2000 Result

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**Dell**  
**PowerEdge 1850 (3.8GHz Intel Xeon)**

SPECint2000 = **1768**  
SPECint\_base2000 = **1746**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Aug-2005 Hardware Avail: Oct-2005 Software Avail: Mar-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000	2000	3000	4000
164.gzip	1400	111	1262	112	1255				
175.vpr	1400	114	1230	114	1230				
176.gcc	1100	52.6	2093	52.6	2093				
181.mcf	1800	95.5	1884	95.5	1884				
186.crafty	1000	72.1	1387	71.3	1403				
197.parser	1800	118	1522	118	1522				
252.eon	1300	54.8	2374	55.0	2362				
253.perlbmk	1800	92.8	1940	81.2	2216				
254.gap	1100	55.4	1984	55.4	1984				
255.vortex	1900	68.8	2763	68.7	2766				
256.bzip2	1500	114	1314	114	1319				
300.twolf	3000	160	1874	159	1892				

### Hardware

CPU: Intel Xeon (3.8GHz, 2MB L2, 800MHz system bus)  
CPU MHz: 3800  
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: 12KB(I) + 16KB(D) on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4x2GB (dual-ranked) ECC 400MHz DDR2 SDRAM  
Disk Subsystem: 1 x 36GB 15000RPM SCSI  
Other Hardware: None

### Software

Operating System: Windows Server 2003, Standard Edition, Service Pack 1  
Compiler: Intel C/C++ Compiler 8.1 for IA32 (20041119Z)  
Microsoft Visual Studio .NET 2003(7.1.3088, for libraries)  
MicroQuill SmartHeap Library 7.1  
File System: NTFS  
System State: Default

## Notes/Tuning Information

### GENERAL

ONESTEP=yes  
+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

### PORTABILITY FLAGS

176.gcc: -Dalloca=\_alloca /F10000000  
186.crafty: -DNT\_i386  
252.eon: srcalt=stdcpp  
253.perlbmk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### BASE TUNING

C: -fast -Qansi\_alias +FDO  
C++: -fast -Qcxx\_features +FDO

### PEAK TUNING

164.gzip: -fast -Qansi\_alias -Oa +FDO  
175.vpr: basepeak=yes  
176.gcc: basepeak=yes  
181.mcf: basepeak=yes  
186.crafty: -fast -Oa +FDO shlw32M.lib  
197.parser: basepeak=yes  
252.eon: -fast +FDO



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## Notes/Tuning Information (Continued)

```
253.perlbnk: -fast -Qansi_alias +FDO shlw32M.lib
254.gap:      basepeak=yes
255.vortex   -fast +FDO
256.bzip2:   -fast -Qunroll11 -Oa +FDO
300.twolf:   -fast +FDO shlw32M.lib
```