



# CINT2000 Result

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Dell Inc.  
PowerEdge 2850 (3.6Ghz Intel Xeon)

SPECint2000 = 1701  
SPECint\_base2000 = 1681

SPEC license #: 55 Tested by: Dell Inc., Round Rock, TX Test date: Jan-2005 Hardware Avail: Feb-2005 Software Avail: Oct-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	117	1199	118	1190	
175.vpr	1400	117	1198	117	1198	
176.gcc	1100	54.7	2009	54.7	2009	
181.mcf	1800	96.2	1870	96.2	1870	
186.crafty	1000	74.9	1336	74.5	1341	
197.parser	1800	123	1467	123	1467	
252.eon	1300	58.3	2231	58.0	2241	
253.perlbnk	1800	97.7	1842	86.2	2089	
254.gap	1100	57.5	1914	57.5	1914	
255.vortex	1900	69.8	2723	69.7	2726	
256.bzip2	1500	119	1259	119	1265	
300.twolf	3000	169	1780	166	1804	

## Hardware

CPU: Intel Xeon (3.6Ghz, 2MB L2, 800MHz system bus)  
 CPU MHz: 3600  
 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 + 16KB(D) on chip  
 Secondary Cache: 2048KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4x2GB (dual-ranked) ECC DDR2-400 SDRAM  
 Disk Subsystem: 1 x 36GB 15000RPM SCSI  
 Other Hardware: None

## Software

Operating System: Windows 2003 Server, Standard Edition  
 Compiler: Intel C/C++ Compiler 8.1 (20041019Z)  
 Intel Fortran Compiler 8.1 (20041019Z)  
 Microsoft Visual Studio .NET 2003(7.1.3088)  
 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: Approved src.alt stdcpp  
 253.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
 254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### BASE TUNING

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

### PEAK TUNING

164.gzip: -fast -QxP -Qansi\_alias -Oa +FDO  
 175.vpr: basepeak=yes  
 176.gcc: basepeak=yes  
 181.mcf: basepeak=yes  
 186.crafty: -fast -QxP -Oa +FDO shlW32M.lib  
 197.parser: basepeak=yes  
 252.eon: -fast -QxP +FDO



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## Notes/Tuning Information (Continued)

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