



# CINT2000 Result

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Dell Inc.  
PowerEdge 1850 (3.4Ghz Intel Xeon)

SPECint2000 = 1636  
SPECint\_base2000 = 1633

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	126	1110	125	1121	
175.vpr	1400	125	1118	124	1125	
176.gcc	1100	55.6	1979	55.6	1979	
181.mcf	1800	98.3	1831	98.3	1831	
186.crafty	1000	79.6	1256	79.9	1252	
197.parser	1800	130	1387	130	1386	
252.eon	1300	60.6	2146	60.3	2154	
253.perlbmk	1800	89.0	2021	89.0	2021	
254.gap	1100	60.5	1817	59.9	1836	
255.vortex	1900	69.5	2733	69.5	2733	
256.bzip2	1500	121	1240	121	1239	
300.twolf	3000	175	1717	175	1717	

### Hardware

CPU: Intel Xeon (3.4Ghz, 2MB L2, 800MHz system bus)  
 CPU MHz: 3400  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
 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: 4x1GB (single-ranked) ECC DDR2-400 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 9.0 for IA32(20051020Z)  
 Microsoft Visual Studio .NET 2003(7.1.3088)  
 MicroQuill SmartHeap Library 8.0  
 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  
 253.perlbmk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
 254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### BASE TUNING

C: -fast +FDO shlw32m.lib  
 C++: -fast -Qcxx\_features +FDO shlw32m.lib

### PEAK TUNING

164.gzip: -fast +FDO  
 175.vpr: -fast +FDO  
 176.gcc: basepeak=yes  
 181.mcf: basepeak=yes  
 186.crafty: -fast -Oa +FDO shlw32m.lib  
 197.parser: -fast +FDO  
 252.eon: -fast +FDO  
 253.perlbmk: basepeak=yes



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## Notes/Tuning Information (Continued)

254.gap: -fast +FDO  
255.vortex basepeak=yes  
256.bzip2: -fast -Qunroll11 -Oa +FDO  
300.twolf: basepeak=yes