



# CINT2000 Result

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**Dell**  
PowerEdge 1950 (Intel Xeon processor 5080, 3.73GHz)

SPECint2000 = **1807**  
SPECint\_base2000 = **1806**

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: May-2006 Hardware Avail: Jun-2006 Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	108	1291	110	1276	[Bar chart showing ratio 1276]			
175.vpr	1400	116	1209	115	1217	[Bar chart showing ratio 1217]			
176.gcc	1100	50.1	2195	50.1	2195	[Bar chart showing ratio 2195]			
181.mcf	1800	95.4	1886	95.4	1886	[Bar chart showing ratio 1886]			
186.crafty	1000	71.2	1405	71.0	1408	[Bar chart showing ratio 1408]			
197.parser	1800	117	1541	116	1545	[Bar chart showing ratio 1545]			
252.eon	1300	51.3	2537	51.1	2544	[Bar chart showing ratio 2544]			
253.perlbmk	1800	80.6	2233	80.6	2233	[Bar chart showing ratio 2233]			
254.gap	1100	53.3	2063	53.2	2067	[Bar chart showing ratio 2067]			
255.vortex	1900	66.1	2875	66.1	2875	[Bar chart showing ratio 2875]			
256.bzip2	1500	113	1333	113	1333	[Bar chart showing ratio 1333]			
300.twolf	3000	156	1921	156	1921	[Bar chart showing ratio 1921]			

### Hardware

CPU: Intel Xeon processor 5080 (1066MHz system bus)  
 CPU MHz: 3733  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip, per core  
 Secondary Cache: 2048KB(I+D) on chip, per core  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8 x 1GB 533MHz ECC CL4 DDR2 FB-DIMM  
 Disk Subsystem: 1 x 80GB SATA 7200 RPM  
 Other Hardware: None

### Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)  
 Compiler: Intel C++ Compiler 9.1 for IA32(20060323Z)  
 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

### 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  
BIOS SETTINGS  
Snoop Filter enabled in BIOS