



# CINT2000 Result

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**Dell**  
**PowerEdge 6850 (3.66GHz Intel Xeon)**

SPECint\_rate2000 = **56.4**

SPECint\_rate\_base2000 = **53.4**

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2005 | Hardware Avail: Mar-2005 | Software Avail: Nov-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	120	54.3	4	121	53.8
175.vpr	4	204	31.8	4	204	31.8
176.gcc	4	79.0	64.6	4	79.0	64.6
181.mcf	4	422	19.8	4	422	19.8
186.crafty	4	76.2	60.9	4	75.0	61.9
197.parser	4	154	54.3	4	154	54.3
252.eon	4	56.5	107	4	56.7	106
253.perlbnk	4	115	72.9	4	93.8	89.0
254.gap	4	80.0	63.8	4	80.0	63.8
255.vortex	4	105	83.8	4	105	83.6
256.bzip2	4	202	34.5	4	202	34.5
300.twolf	4	270	51.6	4	173	80.3

### Hardware

CPU: Intel Xeon (3.66GHz, 1MB L2, 667MHz system bus)  
 CPU MHz: 3660  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1,2,3,4  
 Parallel: No  
 Primary Cache: 12K(I) micro-ops + 16KB(D) on chip  
 Secondary Cache: 1024KB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8x2GB (dual-ranked) ECC DDR2-400 SDRAM  
 Disk Subsystem: 1 x 36GB 15000RPM SCSI  
 Other Hardware: None

### Software

Operating System: Windows 2003 Server, Enterprise Edition  
 Compiler: Intel C/C++ Compiler 8.1 (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.perlbnk: -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

This result was measured on the Dell PowerEdge 6850.

The PowerEdge 6800 and PowerEdge 6850 are electronically equivalent.