



# CINT2000 Result

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**Dell**  
**PowerEdge 6850 (3.33GHz Intel Xeon)**

SPECint\_rate2000 = **72.2**  
SPECint\_rate\_base2000 = **70.8**

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	8	196	66.2	8	197	65.8
175.vpr	8	273	47.5	8	273	47.5
176.gcc	8	127	80.5	8	127	80.5
181.mcf	8	281	59.5	8	281	59.5
186.crafty	8	158	58.8	8	154	60.1
197.parser	8	230	72.6	8	230	72.6
252.eon	8	124	97.0	8	124	97.2
253.perlbnk	8	221	75.7	8	204	82.0
254.gap	8	142	72.0	8	142	72.0
255.vortex	8	160	110	8	160	110
256.bzip2	8	216	64.4	8	216	64.4
300.twolf	8	425	65.5	8	371	75.0

### Hardware

CPU: Intel Xeon (3.33GHz, 1MB L2, 8MB L3, 667MHz system bus)  
CPU MHz: 3330  
FPU: Integrated  
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)  
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: 8192KB(I+D) on chip  
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.