



# CINT2000 Result

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Dell

PowerEdge 1950 (Intel Xeon processor 5150, 2.66GHz)

SPECint\_rate2000 = 111

SPECint\_rate\_base2000 = 111

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

| Benchmark   | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip    | 4           | 86.4         | 75.2       | 4      | 86.6    | 75.0  |
| 175.vpr     | 4           | 82.5         | 78.7       | 4      | 81.1    | 80.1  |
| 176.gcc     | 4           | 42.9         | 119        | 4      | 42.9    | 119   |
| 181.mcf     | 4           | 91.8         | 90.9       | 4      | 91.8    | 90.9  |
| 186.crafty  | 4           | 41.1         | 113        | 4      | 41.2    | 113   |
| 197.parser  | 4           | 91.3         | 91.4       | 4      | 90.5    | 92.3  |
| 252.eon     | 4           | 37.3         | 162        | 4      | 37.3    | 162   |
| 253.perlbnk | 4           | 57.6         | 145        | 4      | 57.6    | 145   |
| 254.gap     | 4           | 47.1         | 108        | 4      | 47.4    | 108   |
| 255.vortex  | 4           | 47.7         | 185        | 4      | 47.7    | 185   |
| 256.bzip2   | 4           | 85.8         | 81.1       | 4      | 87.1    | 79.9  |
| 300.twolf   | 4           | 98.3         | 142        | 4      | 98.3    | 142   |

### Hardware

CPU: Intel Xeon processor 5150 (1333MHz system bus)  
CPU MHz: 2666  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 4096KB(I+D) on chip, shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 1GB 667MHz ECC CL5 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.perlbnk: -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.perlbnk: 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
```