



# CINT2000 Result

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## Dell

PowerEdge 1950 (Intel Xeon processor E5345, 2.33 GHz)

SPECint\_rate2000 = 185

SPECint\_rate\_base2000 = 185

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	101	129	8	101	128
175.vpr	8	98.0	133	8	96.8	134
176.gcc	8	48.4	211	8	48.4	211
181.mcf	8	125	134	8	125	134
186.crafty	8	47.1	197	8	47.1	197
197.parser	8	105	159	8	105	159
252.eon	8	42.7	282	8	42.7	283
253.perlbnk	8	65.5	255	8	65.5	255
254.gap	8	74.2	138	8	73.6	139
255.vortex	8	56.3	313	8	56.3	313
256.bzip2	8	102	137	8	102	137
300.twolf	8	113	247	8	113	247

### Hardware

CPU: Quad-Core Intel Xeon processor E5345 (1333 MHz system bus)  
CPU MHz: 2333  
FPU: Integrated  
CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip  
CPU(s) orderable: 1,2 chips  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 8 MB I+D on chip, per chip (4 MB shared per 2 cores)  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 GB (8 x 1 GB 667 MHz CL5 FB-DIMM DDR2 SDRAM)  
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(20060519Z)  
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
Adjacent Cache Line Prefetch disabled in BIOS
```