



# CINT2000 Result

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**Dell**  
PowerEdge 6850 (3.0GHz Intel Xeon Processor 7041)

SPECint\_rate2000 = 111  
SPECint\_rate\_base2000 = 111

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Mar-2006 | Hardware Avail: Mar-2006 | Software Avail: Mar-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	149	87.2	8	147	88.4
175.vpr	8	181	71.9	8	179	72.5
176.gcc	8	71.4	143	8	71.4	143
181.mcf	8	286	58.3	8	286	58.3
186.crafty	8	89.8	103	8	90.0	103
197.parser	8	155	108	8	155	108
252.eon	8	69.0	175	8	68.3	177
253.perlbnk	8	105	159	8	105	159
254.gap	8	111	92.1	8	111	91.8
255.vortex	8	91.1	194	8	91.1	194
256.bzip2	8	165	84.3	8	166	84.1
300.twolf	8	198	141	8	198	141

### Hardware

CPU: Intel Xeon processor 7041 (3.0GHz, 2x2MB L2, 800MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled)  
CPU(s) orderable: 1,2,3,4  
Parallel: No  
Primary Cache: 12KB(I) + 16KB(D) on chip, per core  
Secondary Cache: 2048KB(I+D) on chip, per core  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x2GB (dual-ranked) ECC 400MHz DDR2 SDRAM  
Disk Subsystem: 1 x 36GB 15000RPM SCSI  
Other Hardware: None

### Software

Operating System: Windows Server 2003, Enterprise Edition, Service Pack 1  
Compiler: Intel C/C++ Compiler 9.0 for IA32 (20050809)  
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  
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

This result was measured on the Dell PowerEdge 6850.

The PowerEdge 6800 and PowerEdge 6850 are electronically equivalent.