



# CINT2000 Result

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**Dell**  
PowerEdge 6850 (2.66GHz Intel Xeon Processor 7020)

SPECint\_rate2000 = **78.9**  
SPECint\_rate\_base2000 = **73.5**

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	168	77.1	8	167	77.9
175.vpr	8	307	42.4	8	307	42.4
176.gcc	8	115	88.6	8	108	94.9
181.mcf	8	742	22.5	8	746	22.4
186.crafty	8	105	88.6	8	105	88.4
197.parser	8	209	79.8	8	209	79.8
252.eon	8	80.8	149	8	77.3	156
253.perlbnk	8	152	110	8	127	131
254.gap	8	144	71.0	8	144	71.0
255.vortex	8	140	126	8	126	140
256.bzip2	8	293	47.5	8	293	47.4
300.twolf	8	360	77.4	8	230	121

### Hardware

CPU: Intel Xeon processor 7020 (2.66GHz, 2x1MB L2, 667MHz system bus)  
CPU MHz: 2660  
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: 1024KB(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 -Qansi\_alias +FDO  
C++: -fast -Qcxx\_features +FDO

### PEAK TUNING

164.gzip: -fast +FDO  
175.vpr: basepeak=yes  
176.gcc: -fast +FDO shlw32M.lib  
181.mcf: -fast +FDO shlw32M.lib  
186.crafty: -fast -Oa +FDO shlw32M.lib  
197.parser: basepeak=yes  
252.eon: -fast +FDO  
253.perlbnk: -fast -Qansi\_alias +FDO shlw32M.lib



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## Notes/Tuning Information (Continued)

254.gap: basepeak=yes  
255.vortex -fast +FDO shlw32M.lib  
256.bzip2: -fast -Qunroll1 -Oa +FDO  
300.twolf: -fast +FDO shlw32M.lib  
The PowerEdge 6850 and the PowerEdge 6800 are electronically equivalent.