



# CINT2000 Result

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## Dell

PowerEdge 840 (Intel Xeon processor 3070, 2.66GHz)

SPECint\_rate2000 = 59.0

SPECint\_rate\_base2000 = 58.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	85.7	37.9	2	86.0	37.8
175.vpr	2	79.0	41.1	2	76.9	42.2
176.gcc	2	38.0	67.2	2	38.0	67.2
181.mcf	2	74.1	56.3	2	74.1	56.3
186.crafty	2	41.2	56.3	2	41.2	56.3
197.parser	2	88.6	47.1	2	87.7	47.6
252.eon	2	37.2	81.0	2	37.3	80.8
253.perlbnk	2	56.4	74.1	2	56.4	74.1
254.gap	2	42.9	59.4	2	43.1	59.3
255.vortex	2	44.2	99.8	2	44.2	99.8
256.bzip2	2	83.5	41.7	2	79.0	44.1
300.twolf	2	98.5	70.7	2	98.5	70.7

### Hardware

CPU: Intel Xeon processor 3070 (1066MHz system bus)  
CPU MHz: 2666  
FPU: Integrated  
CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip  
CPU(s) orderable: 1  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 4096KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 4 x 1GB DDR2-667 Dual Ranked SDRAM  
Disk Subsystem: 1 x 73GB SAS 10000 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