



# CINT2000 Result

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Dell

PowerEdge 860 (Intel Xeon processor 3070, 2.66GHz)

SPECint\_rate2000 = 58.9

SPECint\_rate\_base2000 = 58.7

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	85.9	37.8	2	85.7	37.9
175.vpr	2	78.8	41.2	2	76.8	42.3
176.gcc	2	38.1	66.9	2	38.1	66.9
181.mcf	2	74.0	56.5	2	74.0	56.5
186.crafty	2	41.2	56.4	2	41.1	56.4
197.parser	2	87.8	47.6	2	87.5	47.7
252.eon	2	37.2	81.1	2	37.3	81.0
253.perlbnk	2	56.3	74.1	2	56.3	74.1
254.gap	2	42.8	59.6	2	42.5	60.0
255.vortex	2	43.8	101	2	43.8	101
256.bzip2	2	83.6	41.6	2	83.5	41.7
300.twolf	2	98.3	70.8	2	98.3	70.8

### 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