



# CINT2000 Result

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Dell

PowerEdge 1955 (Intel Xeon processor 5160, 3.00GHz)

SPECint\_rate2000 = 120

SPECint\_rate\_base2000 = 120

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	77.8	83.5	4	77.9	83.4
175.vpr	4	78.0	83.3	4	76.8	84.6
176.gcc	4	42.5	120	4	42.5	120
181.mcf	4	91.9	90.9	4	91.9	90.9
186.crafty	4	36.5	127	4	36.6	127
197.parser	4	83.1	101	4	83.3	100
252.eon	4	33.1	182	4	33.2	182
253.perlbnk	4	51.9	161	4	51.9	161
254.gap	4	44.0	116	4	43.8	116
255.vortex	4	44.6	198	4	44.6	198
256.bzip2	4	82.3	84.6	4	83.0	83.9
300.twolf	4	87.5	159	4	87.5	159

### Hardware

CPU: Intel Xeon processor 5160 (1333MHz system bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1,2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip, per core  
Secondary Cache: 4096KB(I+D) on chip, shared  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 1GB 667MHz ECC CL5 DDR2 FB-DIMM  
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