



# CINT2000 Result

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Dell

PowerEdge 2950 (Intel Xeon 5110 Processor, 1.60GHz)

SPECint\_rate2000 = 72.1

SPECint\_rate\_base2000 = 72.0

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	143	45.3	4	144	45.2
175.vpr	4	124	52.6	4	121	53.5
176.gcc	4	62.0	82.4	4	62.0	82.4
181.mcf	4	119	70.3	4	119	70.3
186.crafty	4	68.7	67.5	4	68.8	67.5
197.parser	4	144	58.0	4	144	58.0
252.eon	4	62.3	96.8	4	62.3	96.9
253.perlbnk	4	93.7	89.1	4	93.7	89.1
254.gap	4	67.8	75.3	4	67.9	75.2
255.vortex	4	72.3	122	4	72.3	122
256.bzip2	4	130	53.6	4	130	53.4
300.twolf	4	165	84.5	4	165	84.5

### Hardware

CPU: Intel Xeon Processor 5110 (1066MHz system bus)  
CPU MHz: 1600  
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: 6 x 146GB SAS 10000 RPM  
Other Hardware: None

### Software

Operating System: Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit)  
Compiler: Intel C/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