



# CINT2000 Result

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Dell  
PowerEdge 6400

SPECint\_rate2000 = 17.9  
SPECint\_rate\_base2000 = 17.6

SPEC license #: 55 Tested by: Dell, Round Rock, TX Test date: Apr-2001 Hardware Avail: Mar-2000 Software Avail: Oct-2000

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	384	16.9	4	385	16.9
175.vpr	4	350	18.6	4	351	18.5
176.gcc	4	282	18.1	4	282	18.1
181.mcf	4	599	13.9	4	602	13.9
186.crafty	4	269	17.2	4	270	17.2
197.parser	4	542	15.4	4	543	15.4
252.eon	4	304	19.9	4	270	22.4
253.perlbnk	4	404	20.7	4	404	20.7
254.gap	4	523	9.77	4	522	9.78
255.vortex	4	328	26.9	4	322	27.4
256.bzip2	4	461	15.1	4	446	15.6
300.twolf	4	523	26.6	4	517	26.9

### Hardware

CPU: Pentium III Xeon  
 CPU MHz: 700  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip  
 CPU(s) orderable: 1 to 4  
 Parallel: No  
 Primary Cache: 16KB(I) + 16KB(D) on chip  
 Secondary Cache: 2MB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4GB SDRAM  
 Disk Subsystem: 1 x 18GB Quantum Atlas 10K U160  
 Other Hardware:

### Software

Operating System: Microsoft Windows 2000 Advanced Server  
 Compiler: Intel C/C++ Compiler 5.0 Build 001004 for Windows NT  
 Microsoft Visual C++ 6.0 (for libraries)  
 MicroQuill SmartHeap Library 5.0  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### FEEDBACK-DIRECTED OPTIMIZATION

+FDO: PASS1= -Qprof\_gen PASS2= -Qprof\_use

### BASE TUNING

C: -QxK -Qipo shlw32M.lib +FDO

C++: -QxK -Qipo -GX -GR

### 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

### PEAK TUNING

164.gzip: -QxK -Qipo +FDO shlw32M.lib

175.vpr: -QxK -Qipo +FDO shlw32M.lib

176.gcc: -QxK -Qipo +FDO shlw32M.lib

181.mcf: -QxK -Qipo +FDO shlw32M.lib

186.crafty: -QxK -Qipo +FDO shlw32M.lib

197.parser: -QxK -Qipo +FDO shlw32M.lib

252.eon: -QxK -Qipo +FDO

253.perlbnk: -QxK -Qipo +FDO shlw32M.lib

254.gap: -QxK -Qipo +FDO shlw32M.lib



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## Notes/Tuning Information (Continued)

```
255.vortex: -QxK -Qipo +FDO -Oa shlw32M.lib
256.bzip2:  -QxK -Qipo +FDO -Oa shlw32M.lib
300.twolf:  -QxK -Qipo +FDO -Oa shlw32M.lib
LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 5.0
              www.microquill.com
```