



# CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

**Dell**  
PowerEdge 2650 (3.2 GHz Xeon, 1MB L3)

SPECint\_rate2000 = 28.3  
SPECint\_rate\_base2000 = 26.9

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Oct-2003 | Hardware Avail: Oct-2003 | Software Avail: Apr-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	2	113	28.9	2	112	29.0
175.vpr	2	173	18.8	2	172	18.8
176.gcc	2	76.2	33.5	2	75.4	33.8
181.mcf	2	339	12.3	2	333	12.5
186.crafy	2	81.5	28.5	2	81.9	28.3
197.parser	2	156	26.8	2	154	27.1
252.eon	2	91.9	32.8	2	79.1	38.1
253.perlbnk	2	129	32.3	2	124	33.7
254.gap	2	76.0	33.6	2	76.0	33.6
255.vortex	2	103	42.8	2	103	42.8
256.bzip2	2	169	20.6	2	161	21.7
300.twolf	2	263	26.5	2	186	37.4

### Hardware

CPU: Intel Pentium Xeon (533 MHz system bus)  
 CPU MHz: 3200  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 12K(I) micro-ops + 8KB(D) on chip  
 Secondary Cache: 512KB(I+D) on chip  
 L3 Cache: 1024KB(I+D) on chip  
 Other Cache: N/A  
 Memory: 4 X 512MB DDR266  
 Disk Subsystem: 1 x 17GB Ultra3 Seagate SCSI  
 Other Hardware:

### Software

Operating System: Windows 2000 Server (SP2)  
 Compiler: Intel C++ Compiler 7.1 (20030402Z)  
 Microsoft Visual Studio .NET (7.0.9466)  
 MicroQuill SmartHeap Library 6.01  
 File System: NTFS  
 System State: Default

## Notes/Tuning Information

### PORTABILITY FLAGS

176.gcc: -Dalloca=\_alloca /F10000000  
 186.crafy: -DNT\_i386  
 253.perlbnk: -DSPEC\_CPU2000\_NTOS -DPERLDLL /MT  
 254.gap: -DSYS\_HAS\_CALLOC\_PROTO -DSYS\_HAS\_MALLOC\_PROTO

### FEEDBACK DIRECTED OPTIMIZATION

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

### BASE TUNING

C: -QxW -Qipo -O3 +FDO  
 C++: -QxW -Qipo -GX -GR

### PEAK TUNING

164.gzip: -QxW -Qipo -Oa -O3 +FDO  
 175.vpr: -QxW -Qipo -O3 +FDO  
 176.gcc: -QxW -Qipo -O3 +FDO  
 181.mcf: -QxW -Qipo -O3 +FDO shlw32M.lib  
 186.crafy: PASS1= -Qprof\_gen PASS2= -Qipo -Qprof\_use -QxW -O3  
 197.parser: -QxW -Qipo -O3 +FDO  
 252.eon: PASS1= -Qprof\_gen PASS2= -Qipo -Qprof\_use -QxW -O3  
 253.perlbnk: -QxW -Qipo -O3 +FDO shlw32M.lib  
 254.gap: basepeak=yes



# CINT2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Dell  
PowerEdge 2650 (3.2 GHz Xeon, 1MB L3)

SPECint\_rate2000 = 28.3  
SPECint\_rate\_base2000 = 26.9

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Oct-2003 | Hardware Avail: Oct-2003 | Software Avail: Apr-2003

## Notes/Tuning Information (Continued)

```
255.vortex    basepeak=yes
256.bzip2:    -Qipo -Oa -Qunroll1 +FDO
300.twolf:    -Qipo -QxW -O3 -Oa      shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib:  MicroQuill SmartHeap Library 6.01
              www.microquill.com
ONESTEP=YES is set for all benchmarks
Hyper-Threading Technology disabled in BIOS
```