



CINT2000 Result

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Dell
PowerEdge 2650 (3.2GHz Xeon, 2MB L3)

SPECint2000 = 1420
SPECint_base2000 = 1383

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jan-2004 | Hardware Avail: Feb-2004 | Software Avail: Apr-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	112	1253	112	1255	
175.vpr	1400	129	1085	129	1086	
176.gcc	1100	65.2	1687	65.1	1689	
181.mcf	1800	175	1028	172	1049	
186.crafty	1000	80.1	1248	80.3	1246	
197.parser	1800	139	1299	139	1298	
252.eon	1300	91.9	1415	79.2	1642	
253.perlbmk	1800	126	1430	121	1489	
254.gap	1100	66.5	1655	66.5	1655	
255.vortex	1900	91.2	2084	91.2	2084	
256.bzip2	1500	129	1167	123	1222	
300.twolf	3000	191	1569	180	1665	

Hardware

CPU: Intel Xeon
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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: 2048KB(I+D) on chip
Other Cache: N/A
Memory: 4 x 1024MB ECC DDR266 SDRAM
Disk Subsystem: 1 x 36GB Seagate Cheetha 15K U320 SCSI
Other Hardware:

Software

Operating System: Windows 2000 Advanced 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.perlbmk: -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.crafty: 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.perlbmk: -QxW -Qipo -O3 +FDO shlw32M.lib
254.gap: basepeak=yes



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SPECint2000 =	1420
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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
```