



CINT2000 Result

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

SPECint2000 = 1306
SPECint_base2000 = 1244

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	112	1253	112	1255	
175.vpr	1400	160	874	160	874	
176.gcc	1100	70.1	1569	69.7	1578	
181.mcf	1800	231	780	229	785	
186.crafy	1000	81.3	1230	81.3	1231	
197.parser	1800	151	1195	151	1195	
252.eon	1300	91.9	1415	79.2	1641	
253.perlbmk	1800	129	1391	123	1464	
254.gap	1100	67.4	1632	67.4	1632	
255.vortex	1900	98.6	1928	98.6	1928	
256.bzip2	1500	156	959	150	997	
300.twolf	3000	254	1180	184	1628	

Hardware

CPU: Intel Pentium Xeon (533 MHz system bus)
 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: 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.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.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.perlbmk: -QxW -Qipo -O3 +FDO shlw32M.lib
 254.gap: basepeak=yes



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PowerEdge 2650 (3.2 GHz Xeon, 1MB L3)	SPECint_base2000 =	1244

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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
```