



CINT2000 Result

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Dell Inc.
PowerEdge 2850 (3.6Ghz Intel Xeon)

SPECint_rate2000 = 38.1
SPECint_rate_base2000 = 37.6

SPEC license #: 55 | Tested by: Dell Inc., Round Rock, TX | Test date: Jan-2005 | Hardware Avail: Feb-2005 | Software Avail: Oct-2004

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|-------------|-------------|--------------|------------|--------|---------|-------|
| 164.gzip | 2 | 119 | 27.4 | 2 | 119 | 27.2 |
| 175.vpr | 2 | 120 | 27.0 | 2 | 120 | 27.0 |
| 176.gcc | 2 | 56.4 | 45.3 | 2 | 56.4 | 45.3 |
| 181.mcf | 2 | 114 | 36.5 | 2 | 114 | 36.5 |
| 186.crafty | 2 | 74.9 | 31.0 | 2 | 74.6 | 31.1 |
| 197.parser | 2 | 124 | 33.7 | 2 | 124 | 33.7 |
| 252.eon | 2 | 58.3 | 51.7 | 2 | 58.0 | 52.0 |
| 253.perlbnk | 2 | 99.0 | 42.2 | 2 | 86.8 | 48.1 |
| 254.gap | 2 | 65.0 | 39.2 | 2 | 65.0 | 39.2 |
| 255.vortex | 2 | 71.2 | 61.9 | 2 | 71.0 | 62.1 |
| 256.bzip2 | 2 | 121 | 28.8 | 2 | 121 | 28.8 |
| 300.twolf | 2 | 168 | 41.3 | 2 | 166 | 41.9 |

Hardware

CPU: Intel Xeon (3.6Ghz, 2MB L2, 800MHz system bus)
CPU MHz: 3600
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 + 16KB(D) on chip
Secondary Cache: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x2GB (dual-ranked) ECC DDR2-400 SDRAM
Disk Subsystem: 1 x 36GB 15000RPM SCSI
Other Hardware: None

Software

Operating System: Windows 2003 Server, Standard Edition
Compiler: Intel C/C++ Compiler 8.1 (20041019Z)
Intel Fortran Compiler 8.1 (20041019Z)
Microsoft Visual Studio .NET 2003(7.1.3088)
MicroQuill SmartHeap Library 7.1
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
252.eon: Approved src.alt stdcpp
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

BASE TUNING

C: -fast -QxP -Qansi_alias +FDO
C++: -QxP -Qipo -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast -QxP -Qansi_alias -Oa +FDO
175.vpr: basepeak=yes
176.gcc: basepeak=yes
181.mcf: basepeak=yes
186.crafty: -fast -QxP -Oa +FDO shlW32M.lib
197.parser: basepeak=yes
252.eon: -fast -QxP +FDO



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Notes/Tuning Information (Continued)

```
253.perlbnk: -fast -QxP -Qansi_alias +FDO shlw32M.lib
254.gap:      basepeak=yes
255.vortex   -fast -QxP +FDO
256.bzip2:   -fast -QxP -Qunroll11 -Oa +FDO
300.twolf:   -fast -QxP +FDO shlw32M.lib
```