# CINT2000 Result

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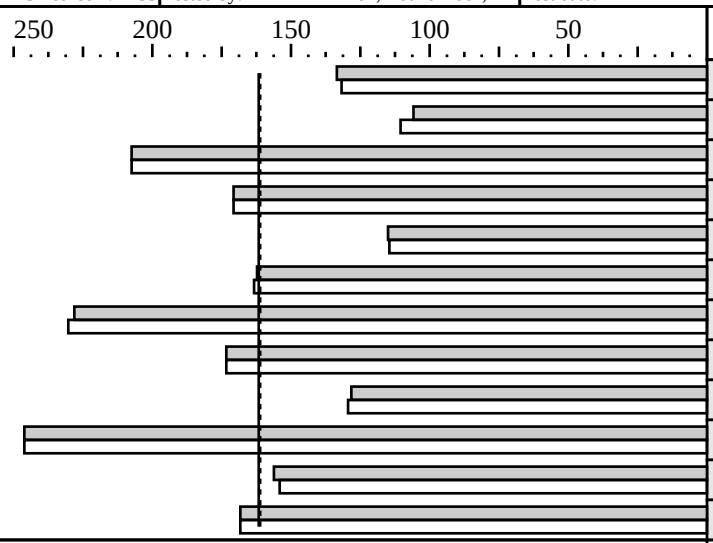
## Dell

PowerEdge 6800 (Intel Xeon processor 7140M, 3.40GHz)

SPECint_rate2000 = 162

SPECint_rate_base2000 = 161

SPEC license #: 55 | Tested by: Dell, Round Rock, TX | Test date: Jul-2006 | Hardware Avail: Aug-2006 | Software Avail: May-2006




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 16 | 195 | 133 | 16 | 197 | 132 |
| 175.vpr | 16 | 246 | 106 | 16 | 235 | 110 |
| 176.gcc | 16 | 98.4 | 207 | 16 | 98.4 | 207 |
| 181.mcf | 16 | 196 | 171 | 16 | 196 | 171 |
| 186.crafty | 16 | 161 | 115 | 16 | 162 | 115 |
| 197.parser | 16 | 206 | 162 | 16 | 205 | 163 |
| 252.eon | 16 | 106 | 228 | 16 | 105 | 230 |
| 253.perlbmk | 16 | 193 | 173 | 16 | 193 | 173 |
| 254.gap | 16 | 159 | 128 | 16 | 158 | 129 |
| 255.vortex | 16 | 143 | 246 | 16 | 143 | 246 |
| 256.bzip2 | 16 | 178 | 156 | 16 | 181 | 154 |
| 300.twolf | 16 | 331 | 168 | 16 | 331 | 168 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon processor 7140M (800MHz system bus) |
| CPU MHz: | 3400 |
| FPU: | Integrated |
| CPU(s) enabled: | 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled) |
| CPU(s) orderable: | 1,2,3,4 |
| Parallel: | No |
| Primary Cache: | 12K(I) micro-ops + 16KB(D) on chip, per core |
| Secondary Cache: | 1024KB(I+D) on chip, per core |
| L3 Cache: | 16384KB on chip, per chip |
| Other Cache: | N/A |
| Memory: | 8x2GB (dual-ranked) ECC 400MHz DDR2 SDRAM |
| Disk Subsystem: | 1 x 73GB SCSI 15000 RPM |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Microsoft Windows Server 2003 Enterprise x64 Edition + SP1 (64-bit) |
| Compiler: | Intel C/C++ Compiler 9.1 for IA32(20060323Z)<br>Microsoft Visual Studio .NET 2003(7.1.3088)<br>MicroQuill SmartHeap Library 8.0 |
| 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
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap:     -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
BASE TUNING
  C:           -fast +FDO shlW32M.lib
  C++:         -fast -Qcxx_features +FDO
PEAK TUNING
  164.gzip:    -fast +FDO
  175.vpr:     -fast +FDO
  176.gcc:     basepeak=yes
  181.mcf:     basepeak=yes
  186.crafty:  -fast -Oa +FDO shlW32M.lib
  197.parser:  -fast +FDO
  252.eon:     -fast +FDO
  253.perlbmk: basepeak=yes
```

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## Notes/Tuning Information (Continued)

```
  254.gap:     -fast +FDO
  255.vortex   basepeak=yes
  256.bzip2:   -fast -Qunroll1 -Oa +FDO
  300.twolf:   basepeak=yes
This result was measured on the Dell PowerEdge 6850.
The PowerEdge 6800 and PowerEdge 6850 are electronically equivalent.

The binaries were built on a system running Windows XP Professional
(32-bit) with an Intel processor supporting SSE3 (allows -QxP).
```