# CINT2000 Result

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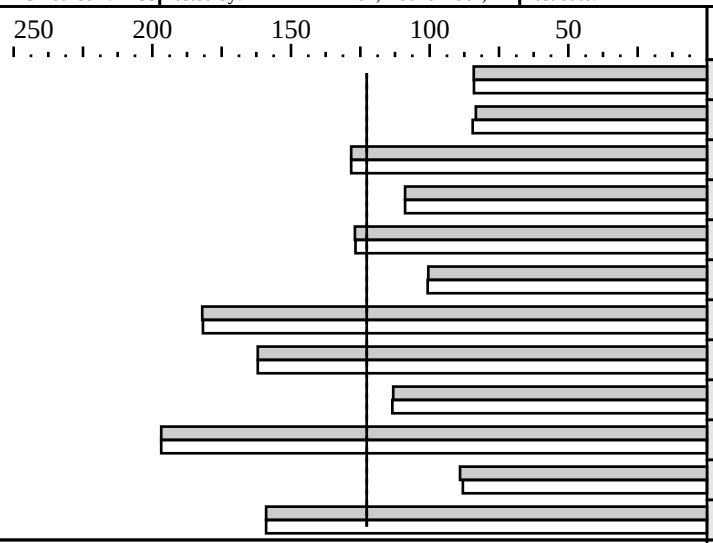
## Dell

PowerEdge 2950 (Intelfi Xeonfi processor 5160, 3.00GHz)

SPECint_rate2000 = 123

SPECint_rate_base2000 = 123

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 4 | 77.2 | 84.1 | 4 | 77.3 | 84.0 |
| 175.vpr | 4 | 77.9 | 83.3 | 4 | 76.9 | 84.5 |
| 176.gcc | 4 | 39.8 | 128 | 4 | 39.8 | 128 |
| 181.mcf | 4 | 76.7 | 109 | 4 | 76.7 | 109 |
| 186.crafty | 4 | 36.5 | 127 | 4 | 36.6 | 127 |
| 197.parser | 4 | 83.1 | 100 | 4 | 82.9 | 101 |
| 252.eon | 4 | 33.1 | 182 | 4 | 33.2 | 182 |
| 253.perlbmk | 4 | 51.6 | 162 | 4 | 51.6 | 162 |
| 254.gap | 4 | 45.1 | 113 | 4 | 45.0 | 113 |
| 255.vortex | 4 | 44.8 | 197 | 4 | 44.8 | 197 |
| 256.bzip2 | 4 | 78.2 | 89.1 | 4 | 79.1 | 88.0 |
| 300.twolf | 4 | 87.6 | 159 | 4 | 87.6 | 159 |

### Hardware

| | |
|---|---|
| CPU: | Intelfi Xeonfi processor 5160 (1333MHz system bus) |
| CPU MHz: | 3000 |
| FPU: | Integrated |
| CPU(s) enabled: | 4 cores, 2 chips, 2 cores/chip |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 32KB(I) + 32KB(D) on chip, per core |
| Secondary Cache: | 4096KB(I+D) on chip, shared |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 8 x 1GB 667MHz ECC CL5 DDR2 FB-DIMM |
| Disk Subsystem: | 1 x 80GB SATA 7200 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
  BIOS SETTINGS
    Adjacent Cache Line Prefetch disabled in BIOS
    Enabled 'Snoop Filter' in BIOS
```