# CINT2000 Result

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## Bull

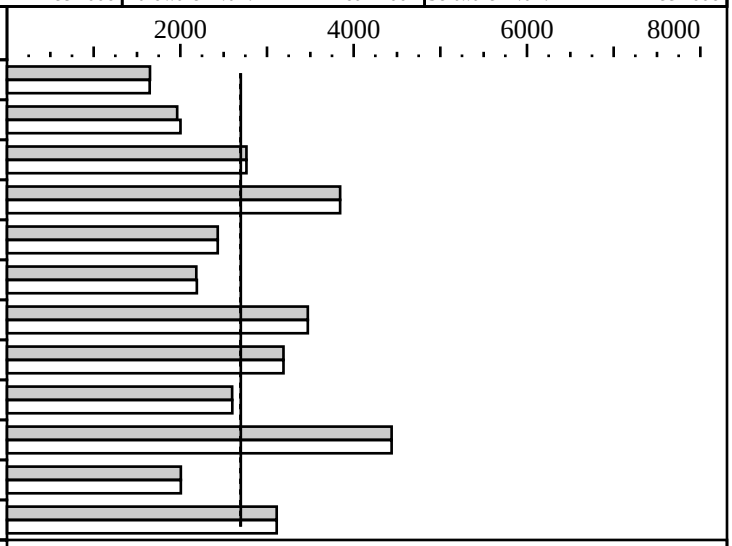
NovaScale B280 (Intel Xeon processor 5150, 2.66 GHz)

SPECint2000 = 2698

SPECint_base2000 = 2693

SPEC license #: 20 | Tested by: Bull | Test date: Dec-2006 | Hardware Avail: Jan-2007 | Software Avail: Dec-2006

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 84.9 | 1650 | 85.0 | 1646 |
| 175.vpr | 1400 | 71.3 | 1964 | 69.9 | 2002 |
| 176.gcc | 1100 | 39.8 | 2763 | 39.8 | 2763 |
| 181.mcf | 1800 | 46.8 | 3844 | 46.8 | 3844 |
| 186.crafty | 1000 | 41.1 | 2432 | 41.1 | 2432 |
| 197.parser | 1800 | 82.4 | 2184 | 82.2 | 2191 |
| 252.eon | 1300 | 37.5 | 3471 | 37.5 | 3471 |
| 253.perlbmk | 1800 | 56.4 | 3190 | 56.4 | 3190 |
| 254.gap | 1100 | 42.3 | 2598 | 42.3 | 2600 |
| 255.vortex | 1900 | 42.8 | 4438 | 42.8 | 4438 |
| 256.bzip2 | 1500 | 74.8 | 2006 | 74.8 | 2006 |
| 300.twolf | 3000 | 96.4 | 3112 | 96.4 | 3112 |




### Hardware

| | |
|---|---|
| CPU: | Intel Xeon Processor 5150 (2.66 GHz, 4MB L2, 1333MHz bus) |
| CPU MHz: | 2660 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1 to 2 chips |
| Parallel: | No |
| Primary Cache: | 32KB(I) + 32KB(D) on chip per core |
| Secondary Cache: | 4096KB(I+D) on chip per chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 8GB (1GB DIMMx8, FB-DIMM PC2-5300F ECC CL5) |
| Disk Subsystem: | 1x73GB SAS 10000 rpm |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise Edition (32 bits), Service Pack1 |
| Compiler: | Intel(R) C++ Compiler for 32-bit app., Version 9.1, - Build 20060519Z Package ID: W_CC_C_9.1.025<br>Microsoft Visual Studio .NET 2003 (for libraries)<br>MicroQuill SmartHeap Library 8.0 (shlW32M.lib) |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
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

Feedback optimization:
  +FDO: PASS1= -Qprof_gen PASS2= -Qprof_use

Baseline Tuning Flags:
 for C programs:
 -fast +FDO ONESTEP=yes shlW32M.lib
 for C++ program 252.eon:
 -fast -Qcxx_features +FDO ONESTEP=yes

Peak Tuning Flags:
   164.gzip:     -fast +FDO ONESTEP=yes
   175.vpr:      -fast +FDO ONESTEP=yes
   176.gcc:      basepeak=yes
   181.mcf:      basepeak=yes
```

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## Notes/Tuning Information (Continued)

```
    186.crafty:   basepeak=yes
    197.parser:   -fast +FDO ONESTEP=yes
    252.eon:      basepeak=yes
    253.perlbmk:  basepeak=yes
    254.gap:      -fast +FDO ONESTEP=yes
    255.vortex:   basepeak=yes
    256.bzip2:    basepeak=yes
    300.twolf:    basepeak=yes


 Other Configuration Notes
   /NUMPROC=1 flag was added to boot.ini to invoke
   uniprocessor environment


For information about Bull please see:
http://www.bull.com
```