# CINT2000 Result

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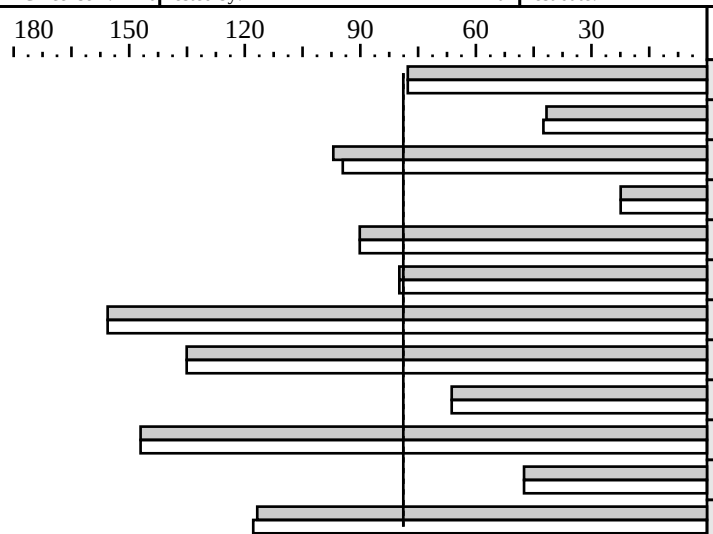
## Bull

## Express5800-140He (2.66 GHz Xeon MP)

SPECint_rate2000 = 78.8

SPECint_rate_base2000 = 78.8

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




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 8 | 167 | 77.7 | 8 | 167 | 77.7 |
| 175.vpr | 8 | 312 | 41.7 | 8 | 306 | 42.5 |
| 176.gcc | 8 | 105 | 97.0 | 8 | 108 | 94.6 |
| 181.mcf | 8 | 745 | 22.4 | 8 | 745 | 22.4 |
| 186.crafty | 8 | 103 | 90.2 | 8 | 103 | 90.2 |
| 197.parser | 8 | 209 | 79.9 | 8 | 209 | 79.9 |
| 252.eon | 8 | 77.5 | 156 | 8 | 77.5 | 156 |
| 253.perlbmk | 8 | 124 | 135 | 8 | 124 | 135 |
| 254.gap | 8 | 154 | 66.3 | 8 | 154 | 66.3 |
| 255.vortex | 8 | 120 | 147 | 8 | 120 | 147 |
| 256.bzip2 | 8 | 293 | 47.5 | 8 | 293 | 47.5 |
| 300.twolf | 8 | 238 | 117 | 8 | 236 | 118 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon Processor MP 7020 (2.66GHz, 2x1MB L2, 667MHz bus) |
| CPU MHz: | 2660 |
| FPU: | Integrated |
| CPU(s) enabled: | 8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology disabled) |
| CPU(s) orderable: | 1 to 4 |
| Parallel: | No |
| Primary Cache: | 12KB(I) micro-ops + 16KB(D) (on chip) per core |
| Secondary Cache: | 1024KB(I+D) (on chip) per core |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 2GB (512MB DIMMx4, DDR2-400 SDRAM, CL3) |
| Disk Subsystem: | 2x36GB SCSI U320 15000 rpm |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows Server 2003 Enterprise Edition (32 bits) Service Pack 1 |
| Compiler: | Intel(R) C++ Compiler for 32-bit app., Version 9.0, - Build 20060222Z Package ID: W_CC_C_9.0.030<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:     basepeak=1
 175.vpr:      -fast                +FDO ONESTEP=yes
 176.gcc:      -fast                +FDO ONESTEP=yes
 181.mcf:      basepeak=1
```

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## Notes/Tuning Information (Continued)

```
 186.crafty:   basepeak=1
 197.parser:   basepeak=1
 252.eon:      basepeak=1
 253.perlbmk:  basepeak=1
 254.gap:      basepeak=1
 255.vortex:   basepeak=1
 256.bzip2:    basepeak=1
 300.twolf:    -fast                  +FDO shlW32M.lib


 Express5800-140He and 140Rd4 are electronically equivalent
 Measured on Express5800-140Rd4

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