# CINT2000 Result

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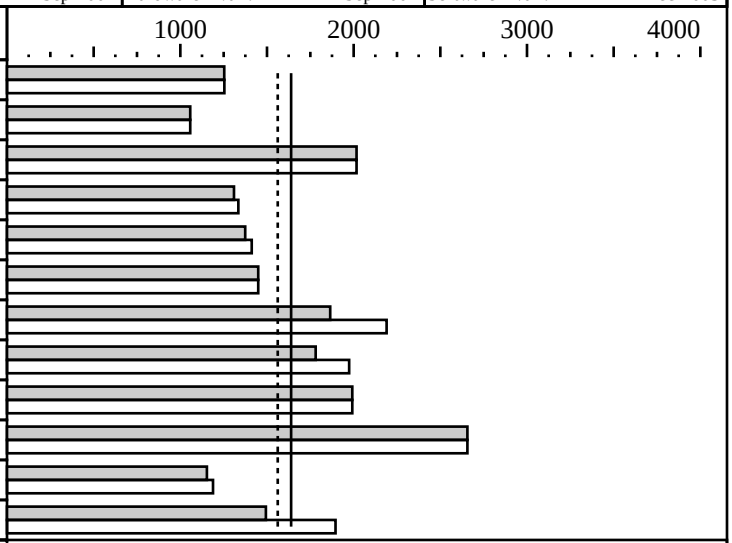
## SuperMicro
## Super P8SC8 (3.80 GHz Pentium 4)

SPECint2000 = 1639

SPECint_base2000 = 1562

SPEC license #01176 | Tested by: SuperMicro Inc., San Jose, CA | Test date: Sep-2004 | Hardware Avail: Sep-2004 | Software Avail: Dec-2003

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 164.gzip | 1400 | 112 | 1253 | 112 | 1254 |
| 175.vpr | 1400 | 132 | 1057 | 132 | 1057 |
| 176.gcc | 1100 | 54.5 | 2017 | 54.5 | 2017 |
| 181.mcf | 1800 | 137 | 1310 | 135 | 1335 |
| 186.crafty | 1000 | 72.8 | 1374 | 70.8 | 1412 |
| 197.parser | 1800 | 124 | 1449 | 124 | 1449 |
| 252.eon | 1300 | 69.7 | 1865 | 59.4 | 2190 |
| 253.perlbmk | 1800 | 101 | 1781 | 91.2 | 1974 |
| 254.gap | 1100 | 55.2 | 1992 | 55.2 | 1992 |
| 255.vortex | 1900 | 71.5 | 2656 | 71.5 | 2656 |
| 256.bzip2 | 1500 | 130 | 1153 | 126 | 1189 |
| 300.twolf | 3000 | 201 | 1494 | 158 | 1895 |




### Hardware

| | |
|---|---|
| CPU: | Intel Pentium 4 3.8GHz(800 MHz system bus) |
| CPU MHz: | 3800 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 1 core/chip (HT Technology Enabled) |
| CPU(s) orderable: | 1 |
| Parallel: | No |
| Primary Cache: | 12K(I) micro-ops + 16KB(D) on chip |
| Secondary Cache: | 1024KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 4 x 1024MB ECC DDR533 SDRAM |
| Disk Subsystem: | 1 x 80GB ATA/100 7200 RPM |
| Other Hardware: | |

### Software

| | |
|---|---|
| Operating System: | Windows 2003 Enterprise Server |
| Compiler: | Intel C/C++ Compiler 8.0 (20031229Z)<br>Microsoft Visual Studio .NET 7.0.9466 (for libraries)<br>SmartHeap Library Version 7.1 from http://www.microquill.com/ |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
PORTABILITY FLAGS
  176.gcc:     -Dalloca=_alloca /F10000000
  186.crafy:   -DNT_i386
  253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap:     -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
FEEDBACK DIRECTED OPTIMIZATION
  ONESTEP=yes
  FDO:         PASS1=-Qprof_gen  PASS2=-Qprof_use
BASE TUNING
  C:           -QxP -Qipo -O3     +FDO
  C++:         -QxP -Qipo              -GX -GR
PEAK TUNING
  164.gzip:    -QxP -Qipo -O3 -Oa +FDO
  175.vpr:     basepeak=yes
  176.gcc:     basepeak=yes
  181.mcf:     -QxP -Qipo -O3     +FDO shlW32M.lib
  186.crafty:  -QxP -Qipo -O3 -Oa +FDO shlW32M.lib
  197.parser:  basepeak=yes
  252.eon:     -QxP -Qipo -O3     +FDO
  253.perlbmk: -QxP -Qipo -O3     +FDO shlW32M.lib
```

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## Notes/Tuning Information (Continued)

```
  254.gap:     basepeak=yes
  255.vortex   basepeak=yes
  256.bzip2:        -Qipo     -Oa -Qunroll1 +FDO shlW32M.lib
  300.twolf:   -QxP -Qipo -O3     +FDO shlW32M.lib
EXTRA LIBRARIES
  shlW32M.lib: MicroQuill SmartHeap Library 7.1
               www.microquill.com
```