# CINT2000 Result

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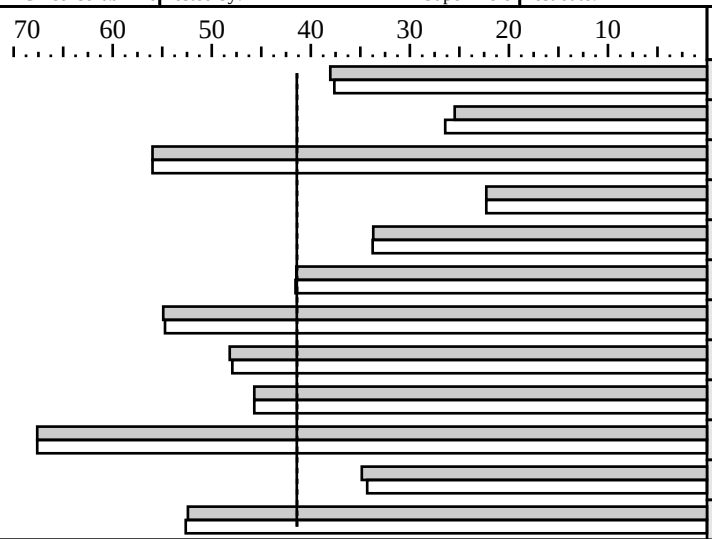
## Supermicro
## X6DHP-TG Motherboard

SPECint_rate2000 = 41.4

SPECint_rate_base2000 = 41.4

SPEC license #01176 | Tested by: Supermicro | Test date: Oct-2005 | Hardware Avail: Sep-2005 | Software Avail: Apr-2005




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 164.gzip | 4 | 171 | 38.0 | 4 | 173 | 37.6 |
| 175.vpr | 4 | 255 | 25.5 | 4 | 246 | 26.4 |
| 176.gcc | 4 | 91.2 | 56.0 | 4 | 91.2 | 56.0 |
| 181.mcf | 4 | 375 | 22.3 | 4 | 375 | 22.3 |
| 186.crafty | 4 | 138 | 33.7 | 4 | 137 | 33.8 |
| 197.parser | 4 | 201 | 41.5 | 4 | 201 | 41.5 |
| 252.eon | 4 | 110 | 54.9 | 4 | 110 | 54.7 |
| 253.perlbmk | 4 | 173 | 48.2 | 4 | 174 | 47.9 |
| 254.gap | 4 | 112 | 45.7 | 4 | 112 | 45.7 |
| 255.vortex | 4 | 130 | 67.6 | 4 | 130 | 67.6 |
| 256.bzip2 | 4 | 200 | 34.9 | 4 | 203 | 34.3 |
| 300.twolf | 4 | 266 | 52.4 | 4 | 265 | 52.6 |

### Hardware

| | |
|---|---|
| CPU: | Intel Xeon Processor (3.80 GHz, 2MB L2, 800 MHz bus) |
| CPU MHz: | 3800 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 2 chips, 1 core/chip ((Hyper-Threading Technology Enabled) |
| CPU(s) orderable: | 1,2 |
| Parallel: | No |
| Primary Cache: | 12k micro-ops I + 16KBD on chip |
| Secondary Cache: | 2048KB(I+D) on chip |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 6GB (6x1GB 2 X 1GB DDR 333 REG ECC) |
| Disk Subsystem: | 1 X 40GB IDE |
| Other Hardware: | N/A |

### Software

| | |
|---|---|
| Operating System: | Windows 2003 EE SP1 |
| Compiler: | Intel C++ Compiler 9.0 Build 20050430Z (32-bit)<br>Microsoft Visual Studio .Net 2003(for libraries)<br>SmartHeap Library Version 7.4 from http://www.microquill.com/ |
| File System: | NTFS |
| System State: | Default |

## Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Base tuning for C programs:   -fast +FDO shlW32M.lib
Base tuning for C++ programs: -fast -Qcxx_features +FDO shlW32M.lib
shlW32M.lib is the SmartHeap Library
Portability flags:
176.gcc: -Dalloca=_alloca /F10000000
186.crafy: -DNT_i386
252.eon:   Approved stdcpp src.alt used
253.perlbmk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Peak tuning:
164.gzip:     -fast -Qansi_alias -Oa  +FDO
175.vpr:      -fast -Qansi_alias +FDO
176.gcc:      basepeak=yes
181.mcf:      basepeak=yes
186.crafty:   -fast -Qansi_alias -Oa +FDO
197.parser:   -fast -Qansi_alias  +FDO
252.eon:      -fast +FDO
253.perlbmk:  -fast -Qansi_alias +FDO shlW32M.lib
254.gap:      basepeak=yes
```

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## Notes/Tuning Information (Continued)

```
255.vortex    basepeak=yes
256.bzip2:   -fast -Oa -Qunroll1 +FDO
300.twolf:    -fast -O3 +FDO shlW32M.lib
New 32-bt Windows tools used, approved in May-2005
Product description located as of:
http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DHP-TG.cfm
The system bus runs at 800MHz
```