# CFP2000 Result

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## Supermicro

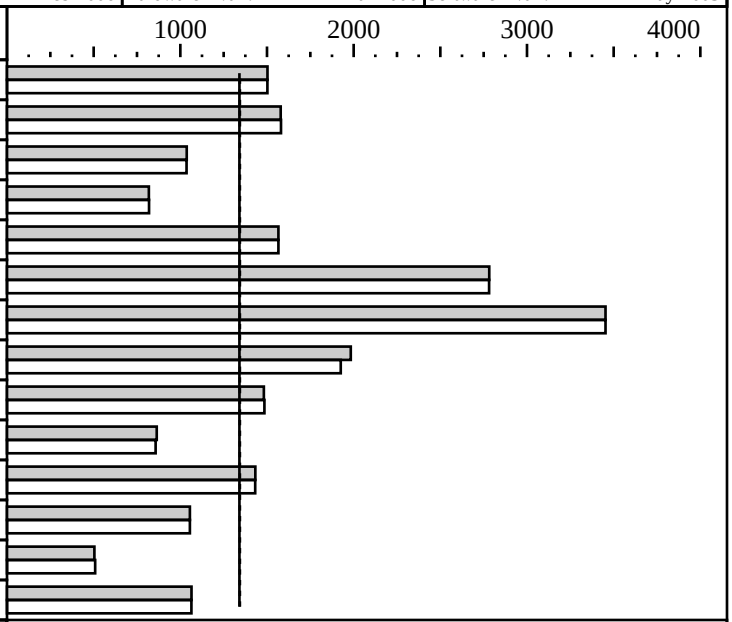
X6DLP-4G2 Motherboard (Dual-Core Intel Xeon processor LV 2.00GHz)

SPECfp2000 = 1341

SPECfp_base2000 = 1343

SPEC license #01176 | Tested by: Supermicro | Test date: Feb-2006 | Hardware Avail: Mar-2006 | Software Avail: May-2005

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 106 | 1503 | 107 | 1502 |
| 171.swim | 3100 | 196 | 1579 | 196 | 1581 |
| 172.mgrid | 1800 | 174 | 1037 | 174 | 1036 |
| 173.applu | 2100 | 257 | 818 | 256 | 819 |
| 177.mesa | 1400 | 89.4 | 1566 | 89.4 | 1566 |
| 178.galgel | 2900 | 104 | 2782 | 104 | 2781 |
| 179.art | 2600 | 75.3 | 3453 | 75.3 | 3453 |
| 183.equake | 1300 | 65.5 | 1983 | 67.5 | 1925 |
| 187.facerec | 1900 | 128 | 1482 | 128 | 1485 |
| 188.ammp | 2200 | 255 | 864 | 257 | 857 |
| 189.lucas | 2000 | 140 | 1433 | 140 | 1432 |
| 191.fma3d | 2100 | 199 | 1055 | 199 | 1055 |
| 200.sixtrack | 1100 | 218 | 504 | 216 | 509 |
| 301.apsi | 2600 | 244 | 1064 | 244 | 1064 |




### Hardware

| | |
|---|---|
| CPU: | Dual-Core Intel Xeon processor LV (2.00GHz, 667MHz) |
| CPU MHz: | 2000 |
| FPU: | Integrated |
| CPU(s) enabled: | 2 cores, 1 chip, 2 cores/chip |
| CPU(s) orderable: | 1, 2 |
| Parallel: | No |
| Primary Cache: | 32KBI + 32KBD on chip per core |
| Secondary Cache: | 2MB(I+D) on chip per core |
| L3 Cache: | N/A |
| Other Cache: | N/A |
| Memory: | 8 X 2048MB DDR2-400 Register ECC, CL3 |
| Disk Subsystem: | 1 X IDE Seagate Barracuda 7200.9 120GB ATA100 7200RPM |
| Other Hardware: | N/A |

### Software

| | |
|---|---|
| Operating System: | Windows 2003 Enterprise Edition w/ SP1 |
| Compiler: | Intel C++ and Fortran Compiler 9.0 for 32-bit applications 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 Fortran programs:  -fast -Qansi_alias +FDO
Base tuning for 177.mesa:  -fast shlW32M.lib +FDO
Base tuning for 179.art:  -fast shlW32M.lib +FDO
Base tuning for 183.equake:  -fast shlW32M.lib +FDO
Base tuning for 188.ammp:  -fast shlW32M.lib +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -fast -Qansi_alias +FDO
171.swim:     -fast -Qansi_alias +FDO
172.mgrid:    -fast -Qansi_alias +FDO
173.applu:  -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:   basepeak=yes
178.galgel:   -fast -Qansi_alias +FDO
179.art:      basepeak=yes
183.equake:   -QxP -Oa -Qrcd -Qipo shlW32M.lib +FDO
```

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## Notes/Tuning Information (Continued)

```
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -fast -Oa +FDO shlW32M.lib
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
-QxP for these benchmarks was only specified for PASS2
Tested system was built with 1U SC811LF-260 Chassis.  For a general system, a 260W (minimum) ATX12V power supply [4-pin +12V AND 24-pin is recommended to assure system stability].
On board ATI Rage XL graphic used when test run.
The system bus runs at 667 MHz
```