



CFP2000 Result

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SuperMicro X6DHR-8G2

SPECfp2000 = 1596

SPECfp_base2000 = 1594

SPEC license #01176 Tested by: Supermicro Test date: Apr-2005 Hardware Avail: Dec-2004 Software Avail: Aug-2004

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | 1000 2000 3000 4000 | | | |
|--------------|----------------|--------------|------------|---------|-------|--------------------------------|--|--|--|
| 168.wupwise | 1600 | 62.7 | 2552 | 62.7 | 2552 | [Bar chart showing ratio 2552] | | | |
| 171.swim | 3100 | 141 | 2199 | 139 | 2222 | [Bar chart showing ratio 2222] | | | |
| 172.mgrid | 1800 | 124 | 1454 | 124 | 1454 | [Bar chart showing ratio 1454] | | | |
| 173.applu | 2100 | 142 | 1478 | 142 | 1475 | [Bar chart showing ratio 1475] | | | |
| 177.mesa | 1400 | 88.1 | 1590 | 88.1 | 1590 | [Bar chart showing ratio 1590] | | | |
| 178.galgel | 2900 | 128 | 2258 | 129 | 2256 | [Bar chart showing ratio 2256] | | | |
| 179.art | 2600 | 104 | 2493 | 104 | 2493 | [Bar chart showing ratio 2493] | | | |
| 183.quake | 1300 | 72.7 | 1787 | 74.7 | 1740 | [Bar chart showing ratio 1740] | | | |
| 187.facerec | 1900 | 110 | 1729 | 110 | 1729 | [Bar chart showing ratio 1729] | | | |
| 188.amp | 2200 | 230 | 955 | 223 | 986 | [Bar chart showing ratio 986] | | | |
| 189.lucas | 2000 | 105 | 1901 | 105 | 1898 | [Bar chart showing ratio 1898] | | | |
| 191.fma3d | 2100 | 147 | 1424 | 147 | 1424 | [Bar chart showing ratio 1424] | | | |
| 200.sixtrack | 1100 | 171 | 643 | 170 | 648 | [Bar chart showing ratio 648] | | | |
| 301.apsi | 2600 | 211 | 1234 | 210 | 1235 | [Bar chart showing ratio 1235] | | | |

Hardware

CPU: Intel Xeon processor (3.6 GHz, 800 MHz System bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable: 1
Parallel: No
Primary Cache: 12k micro-ops I + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 8X 1GB Apacer DDRII 400 REG ECC CL3
Disk Subsystem: 250GB Maxtor IDE
Other Hardware:

Software

Operating System: Windows Server 2003 EE
Compiler: Intel C++ and Fortran Compiler 8.1 Build 20040802Z
Microsoft Visual Studio .Net 2003(for libraries)
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning: -fast -Qansi_alias +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.quake: -QxP -Oa -Qrcd -Qipo +FDO
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -Oa -QxP
189.lucas: -fast -Qprefetch- +FDO
191.fma3d: basepeak=yes
```



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X6DHR-8G2

| | |
|-------------------|------|
| SPECfp2000 = | 1596 |
| SPECfp_base2000 = | 1594 |

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Notes/Tuning Information (Continued)

200.sixtrack: -Qipo -QxP +FDO

301.apsi: -fast +FDO

The system bus runs at 800 MHz

Tested system can be used with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]