



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

## Supermicro

Motherboard X6DHP-8G2 (Intel Xeon 3.0GHz, 2M L2 Cache, FSB 800Mhz)

SPECfp2000 = 1656

SPECfp\_base2000 = 1655

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	68.2	2345	68.2	2345	[Bar chart showing ratio 2345]			
171.swim	3100	134	2315	134	2314	[Bar chart showing ratio 2314]			
172.mgrid	1800	137	1317	137	1316	[Bar chart showing ratio 1316]			
173.applu	2100	151	1390	149	1411	[Bar chart showing ratio 1411]			
177.mesa	1400	107	1312	107	1312	[Bar chart showing ratio 1312]			
178.galgel	2900	93.9	3088	94.1	3082	[Bar chart showing ratio 3082]			
179.art	2600	65.4	3977	65.4	3977	[Bar chart showing ratio 3977]			
183.quake	1300	52.3	2485	52.0	2500	[Bar chart showing ratio 2500]			
187.facerec	1900	114	1662	114	1661	[Bar chart showing ratio 1661]			
188.amp	2200	214	1027	215	1022	[Bar chart showing ratio 1022]			
189.lucas	2000	106	1880	106	1878	[Bar chart showing ratio 1878]			
191.fma3d	2100	161	1306	161	1306	[Bar chart showing ratio 1306]			
200.sixtrack	1100	184	598	184	599	[Bar chart showing ratio 599]			
301.apsi	2600	225	1156	225	1156	[Bar chart showing ratio 1156]			

### Hardware

CPU: Intel Xeon 3.0GHz, 2M L2 Cache, FSB 800Mhz  
 CPU MHz: 3000  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)  
 CPU(s) orderable: 1, 2  
 Parallel: No  
 Primary Cache: 12k micro-ops I + 16KBD on chip  
 Secondary Cache: 2MB(I+D) on chip  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8 X 1GB DDR2 400 REG ECC  
 Disk Subsystem: WD 74GB 10000RPM SATA  
 Other Hardware:

### Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition with SP1  
 Compiler: Intel C++ and Fortran Compiler 9.0 for 32-bit applications Build 20050430Z (32-bit)  
 Microsoft Visual Studio .Net 2003(for libraries)  
 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 C programs: -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.quake: -QxP -Oa -Qrcd -Qipo shlw32M.lib +FDO
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -fast -Oa +FDO shlw32M.lib
189.lucas: -fast -Qprefetch- +FDO
```



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

**Supermicro**

Motherboard X6DHP-8G2 (Intel Xeon 3.0GHz, 2M L2 Cache, FSB 800Mhz)

SPECfp2000 = 1656

SPECfp\_base2000 = 1655

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

## Notes/Tuning Information (Continued)

191.fma3d: basepeak=yes

200.sixtrack: -Qipo -QxP +FDO

301.apsi: -fast +FDO

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

The system bus runs at 800 MHz