



CFP2000 Result

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Supermicro

Motherboard X6DH8-G2 (Intel Xeon 3.2GHz, 2M L2 Cache, FSB 800MHz)

SPECfp2000 = 1703

SPECfp_base2000 = 1700

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	66.5	2405	66.7	2400	
171.swim	3100	135	2289	136	2277	
172.mgrid	1800	132	1363	132	1359	
173.applu	2100	147	1425	146	1443	
177.mesa	1400	102	1377	102	1377	
178.galgel	2900	90.2	3214	90.2	3214	
179.art	2600	63.9	4070	63.9	4070	
183.quake	1300	51.4	2527	50.7	2562	
187.facerec	1900	111	1707	111	1708	
188.amp	2200	208	1060	206	1066	
189.lucas	2000	106	1893	106	1894	
191.fma3d	2100	157	1341	157	1341	
200.sixtrack	1100	175	629	175	629	
301.apsi	2600	218	1194	218	1195	

Hardware

CPU: Intel Xeon 3.2GHz, 2M L2 Cache, FSB 800MHz
CPU MHz: 3200
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: 2MB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 8 X 1GB Kingston DDR2-400, Registered, ECC, Single Rank, CL3
Disk Subsystem: 1 X IDE Seagate Barracuda 7200.7 80GB ATA100, 7200 RPM
Other Hardware: N/A

Software

Operating System: Windows Enterprise Edition W/ 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
```



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Notes/Tuning Information (Continued)

191.fma3d: basepeak=yes

200.sixtrack: -Qipo -QxP +FDO

301.apsi: -fast +FDO

The system bus runs at 800 MHz

Product description located as of:

<http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH8-G2.cfm>