CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Supermicro

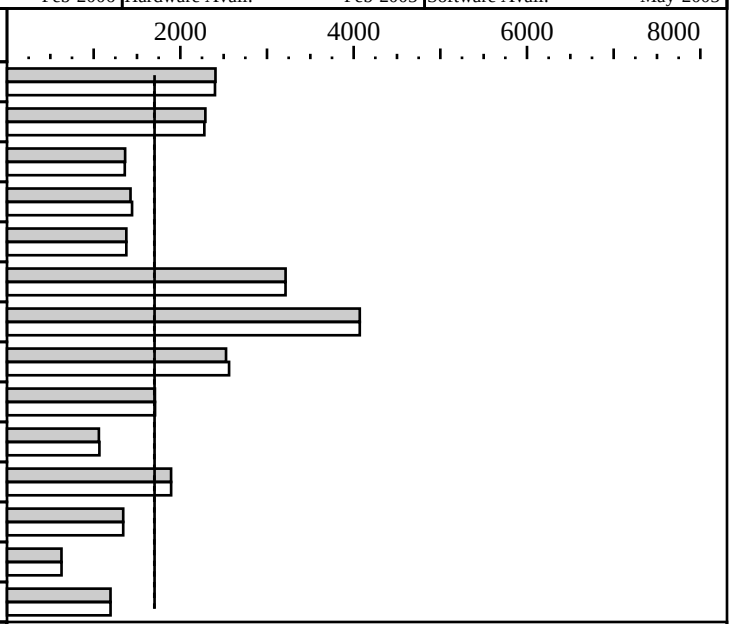
Motherboard X6DH8-G2 (Intel Xeon 3.2GHz, 2M L2 Cache, FSB 800MHz)

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.equake	1300	51.4	2527	50.7	2562
187.facerec	1900	111	1707	111	1708
188.ammp	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.equake:   -QxP -Oa -Qrcd -Qipo shlW32M.lib +FDO
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -fast -Oa +FDO shlW32M.lib
189.lucas:    -fast -Qprefetch- +FDO
```

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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
```