CFP2000 Result

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Supermicro

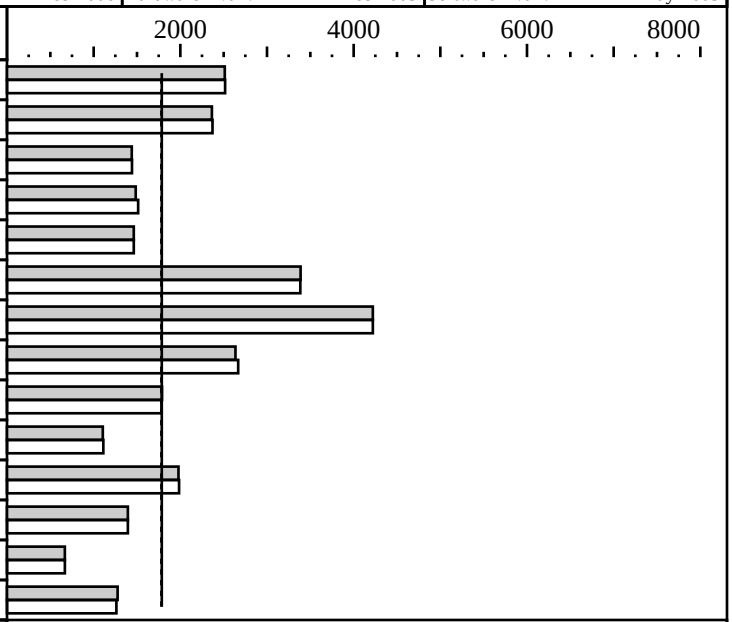
Motherboard X6DH8-G2 (Intel Xeon 3.4GHz, 2M L2 Cache, FSB 800MHz)

SPECfp2000 = 1786

SPECfp_base2000 = 1782

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	63.7	2513	63.6	2517
171.swim	3100	131	2364	131	2371
172.mgrid	1800	125	1440	125	1442
173.applu	2100	141	1485	139	1513
177.mesa	1400	95.7	1463	95.7	1463
178.galgel	2900	85.6	3387	85.7	3384
179.art	2600	61.6	4221	61.6	4221
183.equake	1300	49.3	2636	48.7	2668
187.facerec	1900	106	1789	107	1783
188.ammp	2200	199	1105	198	1112
189.lucas	2000	101	1979	101	1985
191.fma3d	2100	151	1395	151	1395
200.sixtrack	1100	165	667	165	668
301.apsi	2600	204	1276	206	1262



Hardware

CPU:	Intel Xeon 3.4GHz, 2M L2 Cache, FSB 800MHz
CPU MHz:	3400
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 2GB Hynix 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
```

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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
```