CFP2000 Result

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Supermicro

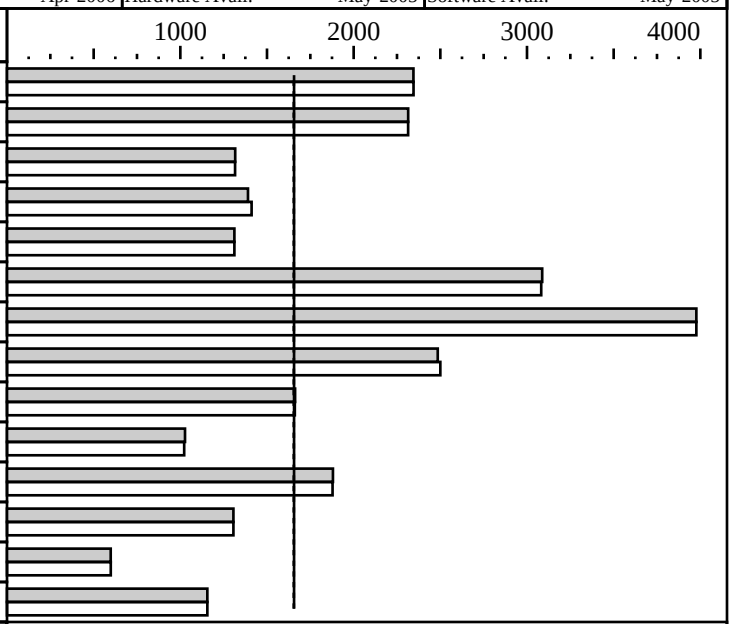
Motherboard X6DHP-8G2 (Intel Xeon 3.0GHz, 2M L2 Cache, FSB 800Mhz)

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
168.wupwise	1600	68.2	2345	68.2	2345
171.swim	3100	134	2315	134	2314
172.mgrid	1800	137	1317	137	1316
173.applu	2100	151	1390	149	1411
177.mesa	1400	107	1312	107	1312
178.galgel	2900	93.9	3088	94.1	3082
179.art	2600	65.4	3977	65.4	3977
183.equake	1300	52.3	2485	52.0	2500
187.facerec	1900	114	1662	114	1661
188.ammp	2200	214	1027	215	1022
189.lucas	2000	106	1880	106	1878
191.fma3d	2100	161	1306	161	1306
200.sixtrack	1100	184	598	184	599
301.apsi	2600	225	1156	225	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.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
Tested systm 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
```