CFP2000 Result

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Supermicro

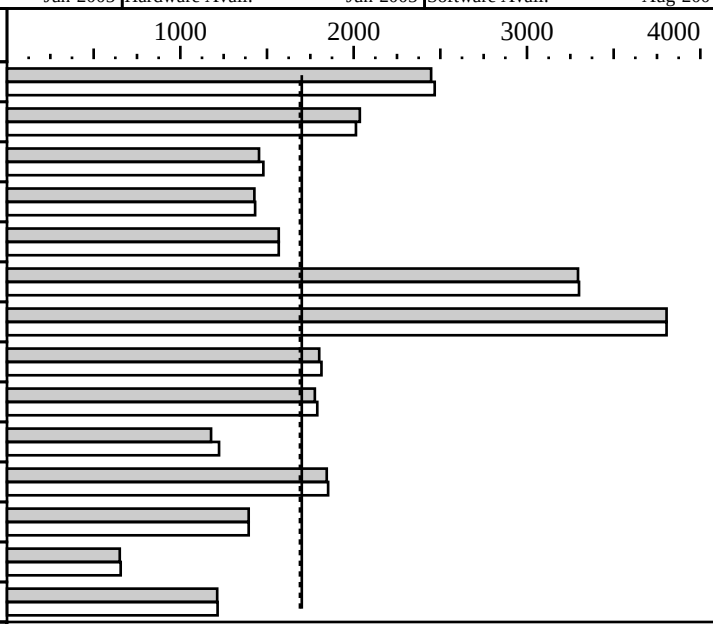
X6DH8/E-G2 Motherboard(Intel Xeon 3.6GHz 2M Cache)

SPECfp2000 = 1701

SPECfp_base2000 = 1690

SPEC license #01176 | Tested by: Supermicro | Test date: Jun-2005 | Hardware Avail: Jun-2005 | Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	65.4	2447	64.8	2467
171.swim	3100	152	2035	154	2013
172.mgrid	1800	124	1454	122	1479
173.applu	2100	147	1427	147	1431
177.mesa	1400	89.3	1568	89.3	1568
178.galgel	2900	88.0	3294	87.9	3300
179.art	2600	68.3	3805	68.3	3805
183.equake	1300	72.2	1801	71.7	1814
187.facerec	1900	107	1776	106	1790
188.ammp	2200	187	1177	180	1223
189.lucas	2000	108	1845	108	1853
191.fma3d	2100	151	1394	151	1394
200.sixtrack	1100	169	651	168	656
301.apsi	2600	214	1213	214	1215



Hardware

CPU:	Intel Xeon 3.6GHz 2M Cache
CPU MHz:	3600
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:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 X 512MB DDR2 400MHz CL4 ECC
Disk Subsystem:	Maxtor 80GB SATA 6Y080M0
Other Hardware:	N/A

Software

Operating System:	Windows 2003 Enterprise Edition W/ SP1
Compiler:	Intel C++ and Fortran Compiler 8.1 Build 20040802Z (32-bit) Microsoft Visual Studio .Net 2003(for libraries)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -fast -Qansi_alias +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 +FDO
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxP
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
The system bus runs at 800 MHz
Tested system configuration used an SC823S-550LP chassis
with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]
See hhttp://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH8-G2.cfm
```